## 11729.1 contg

#### 11729-45.21.21.cons1

## 11729-45.21.21.cons2

# 11731.1contig

## 11731.2contig

# 11734.1contig

## 11734.2contig

GCCAAGAAGCCCGAAAGGTGAAGCATCTGGATGGGGAAGAGGATGGCAGCAGTGATCA GAGTCAGGCTTCTGGAACCACAGGTGGCCGAAGGGTCTCAAAGGCCCTAATGGCCTCAAT GGCCCGCAGGGCTTCAAGGGGTCCCATAGCCTTTTGGGCCCGCAGGGCATCAAGGACTCG GTTGGCTGCTTGGGCCCGGAGAGCCTTGCTCTCCCTGAGATCACCTAAAGCCCGTAGGGGC AAGGCTCGCCGTAGAGCTGCCAAGCTCCAGTCATCCCAAGAGCCTGAAGCACCACCAC CGGGATGTGGCCCTTTTGCAAGGGAGGGCAAATGATTTGGTGAAGTACCTTTTGGCTAAAG ACCAGACGAAGATTCCCATCAAGCGCTCGGACATGCTGAAGGACATCATCAAAGAATACA CTGATGTGTACCCCGAAATCATTGAACGAGCAGGCTATTCCTTGGAGAAGGTATTTGGGAT TCAATTGAAGGAAATTGATAAGAATGACCACTTGTACATTCTTCTCAGC

## 11736.1contg

# 11736.2contig

AAGCGGAAATGAGAAAGGAGGGAAAATCATGTGGTATTGAGCGGAAAACTGCTGGATGA CAGGGCTCAGTCCTGTTGGAGAACTCTGGGTGGTGTGTTGAGAACAGGGCCACTCACAGTG GGGTGCACAGACCAGCACGGCTCTGTGACCTGTTTGTTACAGGTCCATGATGAGGTAAAC AATACACTGAGTATAAGGGTTGGTTTAGAAACTCTTACAGCAATTTGACAAAGTAATCTTC TGTGCAGTGAATCTAAGAAAAAAATTGGGGCTGTATTTGTATGTTCCTTTTTTTCATTTCAT GTTCTGAGTTACCTATTTTTATTGCATTTTACAAAAGCATCCTTCCATGAAGGACCGGAAGT TAAAAACAAAGCAGGTCCTTTATCACAGCACTGTCGTAGAACACAGTTCAGAGTTATCCAC CCAAGGAGCCAGGGAGCTGGGCTAAACCAAAGAATTTTGCTTTTGGTTAATCATCAGGTA CTTGAGTTGGAATTGTTTTTAATCCCATCATTACCAGGCTGGAXGTG

#### 11739-1&2

## 11740.1.contig

### 11766.1.contig

## 11766.2.contig

## 11773.2.contig

## 11775-1&2

#### 11777.1&2.cons

## 11779.2.contig

## 11781 & 37.cons

CTCTGTGGAAAACTGATGAGGAATGAATTTACCATTACCCATGTTCTCATCCCCAAGCAAA GTGCTGGGTCTGATTACTGCAACACAGAGAACGAAGAAGAACTTTTCCTCATACAGGATC AGCAGGGCCTCATCACACTGGGCTGGATTCATACTCACCCCACACAGACCGCGTTTCTCTC CAGTGTCGACCTACACACTCACTGCTCTTACCAGATGATGTTGCCAGAGTCAGTAGCCATT AGATTTCTTCCTGTCGCCAGAAAGGATTTCATCCACACAGCAAGGATCCACCTCTGTTCTG TAGCTGCAGCCACGTGACTGTTGTGGACAGAGCAGTGACCATCACAGACCTTCGATGAGC GTTTGAGTCCAACACCTTCCAAGAACAACAAAACCATATCAGTGTACTGTAGCCCCTTAAT TTAAGCTTTCTAGAAAGCTTTGGAAGTTTTTGTAGATAGTAGAAAGGGGGGCATCACXTGA GAAAGAGCTGATTTTGTATTTCAGGTTTGAAAAGAAATAACTGAACATATTTTTTAGGCAA GTCAGAAAGAACATGGTCACCCAAAAGCAACTGTAACTCAGAAATTAAGTTACTCAGA AATTAAGTAGCTCAGAAATTAAGAAAGAATGGTATAATGAACCCCCÄTATACCCTTCCTTC TGGATTCACCAATTGTTAACATTTTTTCCTCTCAGCTATCCTTCTAATTTCTCTCAATTTC AATTTGTTTATATTTACCTCTGGGCTCAATAAGGGCATCTGTGCAGAAATTTGGAAGCCAT TTAGAAAATCTTTTGGATTTTCCTGTGGTTTATGGCAATATGAATGGAGCTTATTACTGGG GTGAGGGACAGCTTACTCCATTTGACCAGATTGTTTGGCTAACACATCCCGAAGAATGATT TTGTCAGGAATTATTGTTATTTAATAAATATTTCAGGATATTTTTCCTCTACAATAAAGTAA **CAAT** 

#### 11781-76-87-37

CTCTGTGGAAAACTGATGAGGAATGAATTTACCATTACCCATGTTCTCATCCCCAAGCAAA GTGCTGGGTCTGATTACTGCAACACAGAGAACGAAGAACATTTTCCTCATACAGGATC AGCAGGGCCTCATCACACTGGGCTGGATTCATACTCACCCCACACAGACCGCGTTTCTCTC CAGTGTCGACCTACACACTCACTGCTCTTACCAGATGATGTTGCCAGAGTCAGTAGCCATT AGATTTCTTCCTGTCGCCAGAAAGGATTTCATCCACACAGCAAGGATCCACCTCTGTTCTG TAGCTGCAGCCACGTGACTGTTGTGGACAGAGCAGTGACCATCACAGACCTTCGATGAGC GTTTGAGTCCAACACCTTCCAAGAACAACAAAACCATATCAGTGTACTGTAGCCCCTTAAT TTAAGCTTTCTAGAAAGCTTTGGAAGTTTTTGTAGATAGTAGAAAGGGGGGCATCACCTGA GAAAGAGCTGATTTTGTATTTCAGGTTTGAAAAGAAATAACTGAACATATTTTTTAGGCAA GTCAGAAAGAGAACATGGTCACCCAAAAGCAACTGTAACTCAGAAATTAAGTTACTCAGA TGGATTCACCAATTGTTAACATTTTTTTCCTCTCAGCTATCCTTCTAATTTCTCTCTAATTTC AATTTGTTTATATTTACCTCTGGGCTCAATAAGGGCATCTGTGCAGAAATTTGGAAGCCAT TTAGAAAATCTTTTGGATTTTCCTGTGGTTTATGGCAATATGAATGGAGCTTATTACTGGG GTGAGGGACAGCTTACTCCATTTGACCAGATTGTTTGGCTAACACATCCCGAAGAATGATT TTGTCAGGAATTATTGTTATTTAATAAATATTTCAGGATATTTTTCCTCTACAATAAAGTAA **CAATTA** 

### 11784-1 & 2

## 11785.2.contig

#### 11718-1&2 cons

#### 13690.4

CAACTTATTACTTGAAATTATAATATAGCCTGTCCGTTTGCTGTTTCCAGGCTGTGATATAT
TTTCCTAGTGGTTTGACTTTAAAAATAAATAAAGGTTTAATTTTCTCCCC

#### 13693.1

TGCAAGTCACGGGAGTTTATTTATTTAATTTTTTTCCCCAGATGGAGACTCTGTCGCCCAGG
CTGGAGTGCAATGGTGTGATCTTGGCTCACTGCAACCTCCACCTCCTGGGTTCAAGCGATT
CTCCTGCCACAGCCTCCCGAGTAGCTGGGATTACAGGTGCCCGCCACCACACCCAGCTAAT
TTTTATATTTTTAGTAAAGACAGGGTTTCCCCATGTTGGCCAGGCTGGTCTTGAACTTCTGA
CCTCAGGTGATCCACCTGCCTCGGCCTCCCAAAGTGTTGGGATTACAGGCGTGAGCTACCC
GTGCCTGGCCAGCCACTGGAGTTTAAAGGACAGTCATGTTGGCTCCAGCCTAAGGCGGCA
TTTTCCCCCATCAGAAAGCCCGCGGCTCCTGTACCTCAAAATAGGGCACCTGTAAAGTCAG
TCAGTGAAGTCTCTGCTCTAACTGGCCACCCGGGGCCATTGGCNTCTGACACAGCCTTGCC
AGGANGCCTGCATCTGCAAAAGAAAAGTTCACTTCCTTTCCG

## 13694.1

GACTGTCCTGAACAAGGGACCTCTGACCAGAGAGCTGCAGGAGATGCAGAGTGGTGGCAG
GAGTGGAAGCCAAAGAACACCCACCTTCCTCCCTTGAAGGAGTAGAGCAACCATCAGAAG
ATACTGTTTTATTGCTCTGGTCAAACAAGTCTTCCTGAGTTGACAAAACCTCAGGCTCTGGT
GACTTCTGAATCTGCAGTCCACTTTCCATAAGTTCTTTGTGCAGACAACTGTTCTTTTGCTTC
CATAGCAGCAACAGATGCTTTGGGGCTAAAAGGCATGTCCTCTGACCTTGCAGGTGGTGG
ATTTTGCTCTTTTACAACATGTACATCCTTACTGGGCTGTCACAGGGATGTCCTTGC
TGGACTGTTCTGCTATGGGGATATCTTCGTTGGACTGTTCTTCATGCTTAATTGCAGTATTA
GCATCCACATCAGACAGCCTGGTATAACCAGAGTTGGTGGTTACTGATTGTAGCTGCTCTT
TGTCCACTTCATATGGCACAAGTATTTTCCTCAACATCCTGGCTCTGGGAAG

## 13695.1

## 13695.2

AGTCTGGAGTGAGCAAACAAGAGCAAGAAACAARRAGAAGCCAAAAGCAGAAGGCTCCA
ATATGAACAAGATAAATCTATCTTCAAAGACATATTAGAAGTTGGGAAAATAATTCATGT
GAACTAGACAAGTGTGTTAAGAGTGATAAGTAAAATGCACGTGGAGACAAGTGCATCCCC
AGATCTCAGGGACCTCCCCCTGCCTGTCACCTGGGGAGTGAGAGGACAGGATAGTGCATG
TTCTTTGTCTCTGAATTTTTAGTTATATGTGCTGTAATGTTGCTCTGAGGAAGCCCCTGGAA
AGTCTATCCCAACATATCCACATCTTATATTCCACAAATTAAGCTGTAGTATGTACCCTAA
GACGCTGCTAATTGACTGCCACTTCGCAACTCAGGGGCGGCTGCATTTTAGTAATGGGTCA
AATGATTCACTTTTTATGATGCTTCCCAAGGTGCCTTCTCTCCCAACTGACAAATG
CCCAAGTTGAGAAAAAATGATCATAATTTTAGCATAAACCGAGCAATCGGCGACCCC

# 13697.1

ATCATGAGGATGTTACCAAAGGGATGGTACTAAACCATTTGTATTCGTCTGTTTTCACACT GCTTTGAAGATACTACCTGAGACTGGGTAATTTATAAACAAAAGAGATTTAATTGACTCAC AGTTCTGCATGGCTGAAGAGGCCTCAGGAAACTTACAGTCATGGTGGAAGGCAAAGGAGG AGCAAGGCATGTCTTACATGTCAGTAGGAGAGAGAGCGAGAGCAGGAGAACCTGCCACTT ATAAACCATTCAGATCTCATAACTCCCTATCATGAGAAAAACATGGAGGAAACCACCCTC ATGATCCAATCACCTCCCGCCAGGTCCCTCCCTCGACACGTGGGGATTATAATTCAGGATT AGAGGGACACAGAGACAAACCATATCATCATTCATGAGAAATCCACCCTCATAGTCCAAT CAGCTCCTACCAGGCCCCACCTCCAACACTGGGGATTGCAATTCAACATGAGATTTGGATG GGGACACAGATTCAAACCATATCATAC

## 13699.1&2

## 13703.3

## 13705.1

TGCATGTAGTTTTATTTATGTGTTTTSGTCTGGAAAACCAAGTGTCCCAGCAGCATGACTGA
ACATCACTCACTTCCCCTACTTGATCTACAAGGCCAACGCCGAGAGCCCAGACCAGGATTC
CAAACACACTGCACGAGAATATTGTGGATCCGCTGTCAGGTAAGTGTCCGTCACTGACCCA
RACGCTGTTACGTGGCACATGACTGTACAGTGCCACGTAACAGCACTGTACTTTTCTCCCA
TGAACAGTTACCTGCCATGTATCTACATGATTCAGAACATTTTGAACAGTTAATTCTGACA
CTTGAATAATCCCATCAAAAACCGTAAAATCACTTTGATGTTTGTAACGACAACATAGCAT
CACTTTACGACAGAATCATCTGGAAAAACAGAACAACGAATACATCTTAAAAAATG
CTGGGGTGGGCCAGGCACAGCTTCACGCCTGTAATCCCAGCACTTTGGGAGGCTTAAGCG
GGTG

#### 13707.4

#### 13708.1&2

GGCGGGTAGGCATGGAACTGAGAAGAACGAAGAAGCTTTCAGACTACGTGGGGAAGAAT GAAAAAACCAAAATTATCGCCAAGATTCAGCAAAGGGGACAGGGAGCTCCAGCCCGAGA GCCTATTATTAGCAGTGAGGAGCAGAAGCAGCTGATGCTGTACTATCACAGAAGACAAGA GGAGCTCAAGAGATTGGAAGAAAATGATGATGATGCCTATTTAAACTCACCATGGGCGA TAACACTGCTTTGAAAAGACATTTTCATGGAGTGAAAGACATAAAGTGGAGACCAAGATG AAGTTCACCAGCTGATGACACTTCCAAAGAGATTAGCTCACCT

## 13709.1

#### 13712.1&2

## 13714.1&2

GACAACATGAAATAAATCCTAGAGGACAAAATTAAACTCAATAGAGTGTAGTCTAGTTAA AAACTCGAAAAATGAGCAAGTCTGGTGGGAGTGGAGGAAGGGCTATACTATAAATCCAAG TGGGCCTCCTGATCTTAACAAGCCATGCTCATTATACACATCTCTGAACTGGACATACCAC CTTTACGCAGGAAACAGGGCTTGGAACTTCTAAGGGAAATTAACATGCACCACCACATC TAACCTGCCGGGTAGGTACCATCCCTGCTTCGCTGAAATCAGTGCTC

## 13716.1&2

TTGGAATTAAATAAACCTGGAACAGGAAGGTGAAAGTTGGAGTGAGATGTCTTCCATAT CTATACCTTTGTGCACAGTTGAATGGGAACTGTTTGGGTTTAGGGCATCTTAGAGTTGATT GATGGAAAAAGCAGACAGGAACTGGTGGGGAGGTCAAGTGGGGAAGTTGGTGAATGTGGA ATAACTTACCTTTGTGCTCCACTTAAACCAGATGTGTTGCAGCTTTCCTGACATGCAAGGA TCTACTTTAATTCCACACTCTCATTAATAAATTGAATAAAAGGGAATGTTTTGGCACCTGA TATAATCTGCCAGGCTATGTGACAGTAGGAAGGAATGTTTCCCCTAACAAGCCCAATGC ACTGGTCTGACTTTATAAATTTTAATAAAATGAACTATTATC

#### 13722.3

CATGCGTTTCACCACTGTTGGCCAGGCTGGTCTCGAACTCCTGGCCTCAAGCAATCCACCC GCCTCAGCCTCAAAAGTGCTGGGATTACAGATGTGAGCCATGCCAAAAGGC TATATTCCTGGCTCTGTGTTTCCGAGACTGCTTTTAATCCCAACTTCTCTACATTTAGATTA AAAAATATTTTATTCATGGTCAATCTGGAACATAATTACTGCATCTTAAGTTTCCACTGAT GTATATAGAAGGCTAAAGGCACAATTTTTATCAAATCTAGTAGAGTAACCAAACATAAAA TCATTAATTACTTTCAACTTAATAACTAATTGACATTCCTCAAAAGAGCTGTTTTCAATCCT GATAGGTTCTTTATTTTTTCAAAATATTTTGCCATGGGATGCTAATTTGCAATAAGGCGC ATAATGAGAATACCCCAAACTGGA

#### 13722.4

## 13724-13698-13748

GCCTACAACATCCAGAAAGAGTCTACCCTGCACCTGGTGCTSCGTCTCAGAGGTGGGATGC AGATCTTCGTGAAGACCCTGACTGGTAAGACCATCACTCTCGAAGTGGAGCCGAGTGACA CCATYGAGAACGTCAAAGCAAAGATCCARGACAAGGAAGGCRTYCCTCCTGACCAGCAGA GGTTGATCTTTGCCGGAAAGCAGCAGAGATGGDCGCACCCTGTCTGACTACAACATCC AGAAAGAGTCYACCCTGCACCTGGTGCTCCGTCTCAGAGGTGGGATGCARATCTTCGTGA AGACCCTGACTGGTAAGACCATCACCCTCGAGGTGGAGCCCAGTGACACCATCGAGAATG TCAAGGCAAAGATCCAAGATAAGGAAGGCATCCCTCCTGATCAGCAGAGGTTGATCTTTG CTGGGAAACAGCTGGAAGATGGACGCACCCTGTCTGACTACAACATCCAGAAAGAGTCCA CTCTGCACTTGGTCCTGCGCTTGAGGGGGGGGTGTCTAAGTTTCCCCTTTTAAGGTTTCMAC AAATTTCATTGCACTTTCCTTTCAATAAAGTTGTTGCATTCCC

## 13732.1

#### 13732.2

# 13735.2

### 13736.1

AGAATCCATTTATTGGGTTTTAAACTAGTTACACAACTGAAATCAGTTTGGCACTACTTTA
TACAGGGATTACGCCTGTGTATGCCGACACTTAAATACTGTACCAGGACCACTGCTGTGCT
TAGGTCTGTATTCAGTCATTCAGCATGTAGATACTAAAAATATACTGTAGTGTTCCTTTAA
GGAAGACTGTACAGGGTGTGTTGCAAGATGACATTCACCCAATTTGTGAATTATTTCAACCC
AGAAGATACCTTTCACTCTATAAACTTGTCATAGGCAAACATGTGGTGTTAGCATTGAGAG
ATGCACACAAAAATGTTACATAAAAGTTCAGACATTCTAATGATAAGTGAACTGAAAAAA
AAAAAAACCCCACATCTCAATTTTTGTAACAAGATAAAGAAAAATTTAAAAACACAAA
AAATGGCATTCAGTGGGTACAAAGCC

## 13737.1&2

TTTGACTTTAGTAGGGGTCTGAACTATTTATTTTACTTTGCCMGTAATATTTARACCYTATA TATCTTTCATTATGCCATCTTATCTTCTAATGBCAAGGGAACAGWTGCTAAMCTGGCTTCT GCATTWATCACATTAAAAATGGCTTTCTTGGAAAATCTTCTTGATATGAATAAAGGATCTT TTAVAGCCATCATTTAAAGCMGGNTTCTCTCCAACACGAGTCTGCTSASGGGGGKGAGCT GTGAACTCTGGCTGAAGGCTTTCCCATACACACTGCAATGACMTGGTTTCTGACCAGBGTG AGTTA

#### 13738.2

### 13739.1&2

## 13741.1

ATCTCATATATATTTCTTCCTGACTTTATTTGCTTGCTTCTGNCACGCATTTAAAATATC ACAGAGACCAAAATAGAGCGGCTTTCTGGTGGAACGCATGGCAGTCACAGGACAAAATAC ACAGAGCCACAAAATACATCCTCTCTCTCATACATCATACAATTTTCAAGTATTTTTTTATGTACA AAGAGCTACTCTATCTGAAAAAAAATTAAAAAAATGAGACAAGATAGTTTATGCATC CTAGGAAGAAGAATGGGAAGAAGAAGAACGGGGCAGTTGGGTACAGATTCCTGTCCCTGT TCCCAGGGACCACTACCTTCCTGCCACTGAGTTCCCCACAGCCTCACCCATCATGTCACA GGGCAAGTGCCAGGGTAGGTGGGGACCAGTGGAACAACATACTTTGGC CTGGAAGATAAGGAGAAAGTCTCAGAAACACACTGGTGGGAAGCAATCCCACNGGCCGT GCCCCANGAGCTTCCCACCTGCTGCTGCTCCCTGGGTGGCTTTTGGGAACAGCTTTGGGCAG GCCCTTTTTGGGTGGGAACACTTGGGCAG

#### 14351.1

ACTCTGTCGCCCAGGCTGGAGCCCABTGGMGCGATCTCGACTCCCTGCAAGCTMCGCCTC ACAGGWTCATGCCATTCTCCTGCCTCAGCATCTGGAGTAGCTGGGACTACAGGCGCCAGC CACCATGCCCAGCTAATTTTT

### 14351.2

ACCTTAAAGACATAGGAGAATTTATACTGGGAGAAAGCTTACAAATGTAAGGTTTCTG ACAAGACTTGGGAGTGATTCACACCTGGAACAACATACTGGACTTCACACTGGABAGAAA CCTTACAAGTGTAATGAGTGTGGCAAAGCCTTTGGCAAGCAGTCAACACTTATTCACCATC AGGCAATTCA

## 14354.2

AGTCAGGATCATGATGGCTCAGTTTCCCACAGCGATGAATGGAGGGCCAAATATGTGGGC
TATTACATCTGAAGAACGTACTAAGCATGATAAACAGTTTGATAACCTCAAACCTTCAGGA
GGTTACATAACAGGTGATCAAGCCCGTACTTTTTTCCTACAGTCAGGTCTGCCGGCCCCGG
TTTTAGCTGAAATATGGGCCTTATCAGATCTGAACAAGGATGGGAAGATGGACCAGCAAG
AGTTCTCTATAGCTATGAAACTCATCAAGTTAAAGTTGCAGGGCCAACAGCTGCCTGTAGT
CCTCCCTCCTATCATGAAACAACCCCCTATGTTCTCTCCACTAATCTCTGCTCGTTTTGGGA
TGGGAAGCATGCCCAATCTGTCCATTCATCAGCCATTGCCTCCAGTTGCACCTATAGCAAC
ACCCTTGTCTTCTGCTACTTCAGGGACCAGTATTCCTCCCTAATGATGCCTGCT

### 14354.1

#### 16431.1.2

GTGGAGGTGAAACGGAGGCAAGAAAGGGGGCTACCTCAGGAGCGAGGGACAAAGGGGGC GTGAGGCACCTAGGCCGCGCACCCCGGCGACAGGAAGCCGTCCTGAACCGGGCTACCGG GTAGGGGAAGGCCCGCGTAGTCCTCGCAGGGCCCCAGAGCTGGAGTCGGCTCCACAGCC CCGGGCCGTCGGCTTCTCACTTCCTGGACCTCCCCGGCGCCCCGGGCCTGAGGACTGGCTCG GCGGAGGAGAAGAGAACAGACTTGAGCAGCTCCCCGTTGTCTCGCAACTCCACTGCC GAGGAACTCTCATTTCTTCCCTCGCTCCTTCACCCCCCACCTCATGTAGAAAGGTGCTGAA GCGTCCGGAGGAAGAAGAACCTGGGCTACCGTCCTGGCCTTCCCMCCCCCTTCCCGGGG CGCTTTGGTGGGCGTGGAGTTGGGGTTGGGGGGGTTCTTTTTTGGAGTGCT GGGGAACTTTTTCCCTTCTCAGGTCAGGGGAAAGGGAATGCCCAATTCAGAGAGACAT GGGGGCAAGAAGGACGGAGTGGAGGAGCTTCTGGAACTTTGCAGCCGTCATCGGGAGG CGGCAGCTCTAACAGCAGAGAGCGTCACCGCTTGGTATCGAAGCACAAGCGGCATAAGTC CAAACACTCCAAAGACATGGGGTTGGTGACCCCCGAAGCAGCATCCCTGGGCACAGTTAT CAAACCTTTGGTGGAGTATGATGATATCAGCTCTGATTCCGACACCTTCTCCGATGACATG GCCTTCAAACTAGACCGAAGGGAGAACGACGACGTCGTGGATCAGATCGGAGCGACCGC CTGCACAAACATCGTCACCACCAGCACAGGCGTTCCCGGGACTTACTAAAAGCTAAACAG ACCG

### 16432-1

### 16432-2

GATGGCATGGTCGTTGCTAATGTGCCTGCTGGGATGGAGCACTTCCTCTGTGAGCCCAGG
GGACCCGCCTGTCCCTGGAGCTTGGGGCAAGGAGGAAGAGTGATACCAGGAAGGTGGG
GCTGCAGCCAGGGGCCAGAGTCAGTTCAGGGAGTGGTCCTCGGCCCTCAAAGCTCCTCCG
GGGACTGCTCAGGAGTGATGGTGCCCTGGAGTTTGCCCCAACTTCCCTGGCCACCCTGGAA
GGTGCCTGGCTGCTCCAGGCCTCTAGGCTGGCTGATGGGTTTCTCCAGGACACAAGTATC
ATTAAAGCCACCCTCTCCTCAGCTTGTCAGGCCGCACATGTGGGACAGGCTGTGCTCACAA
CCCCCTCGCCTGCCCTCCATCAGGAGGAGCCAGTGGAACCTTCGGAAAGCTCCCAG
CATCTCAGCAGCCCTCAAAAGTCGTCCTGGGGCAAGCTCTGGTTCTCCTGACTGGAGGTCA
TCTGGGCTTGGCCTGCTCTCTCTCGC

## 17184.3

TAAAAAAGTGTAACAAAGGTTTATTTAGACTTTCTTCATGCCCCCAGATCCAGGATGTCTA
TGTAAACCGTTATCTTACAAAGAAAGCACAATATTTGGTATAAACTAAGTCAGTGACTTGC
TTAACTGAAATAGCGTCCATCCAAAAGTGGGTTTAAGGTAAAACTACCTGACGATATTGGC
GGGGATCCTGCAGTTTGGACTGCTGCCGGGTTTGTCCAGGGTTCCGGGTCTGTTCTTGGC
ACTCATGGGGACAGCCATCCTGCTCGTCTGTGGGGCCCCGCTGGAGCCCTTACGTGAAGCT
GAAGGTATCGACCSTAGGGGGCTCTAGGCCAGTGGGACCTTCATCCGGAACTAACAAGGG
TCGGGGAGAGGCCTCTTGGGCTATGTGGG

CAAGCGTTCCTTTATGGATGTAAATTCAAACAGTCATGCTGAGCCATCCCGGGCTGACAGT CACGTTWAAGACACTAGGTCGGGCGCCACAGTGCCACCCAAGGAGAAGAATTTGGA ATTTTTCCATGAAGATGTACGGAAATCTGATGTTGAATATGAAAATGGCCCCCCAAATGGAA TTCCAAAAGGTTACCACAGGGGCTGTAAGACCTAGTGACCCTCCTAAGTGGGAAAAGAGA ATGGAGAATATTCTGATGCATCAAGAACATCAGAATATAAAACTGAGATCATAATG AAGGAAAATTCCATATCCAATATGAGTTTACTCAGAGACAGTAGAAACTATTCCCAGG

## 17185.1

TAGGAATAACAAATGTTTATTCAGAAATGGATAAGTAATACATAATCACCCTTCATCTCTT
AATGCCCCTTCCTCCTCTCTCCACAGGAGACACAGATGGGTAACATAGAGGCATGGGAA
GTGGAGGAGGACACAGGACTAGCCCACCACCTTCTCTCCCGGTCTCCCAAGATGACTGCT
TATAGAGTGGAGGAGGCAAACAGGTCCCCTCAATGTACCAGATGGTCACCTATAGCACCA
GCTCCAGATGGCCACGTGGTTGCAGCTGGACTCAATGAAACTCTGTGACAACCAGAAGAT
ACCTGCTTTGGGATGAGAGGGAGGATAAAGCCATGCAGGGAGGATATTTACCATCCCTAC
CCTAAGCACAGTGCAAGCAGTGAGCCCCCGGCTCCCAGTACCTGAAAAACCAAGGCCTAC
TGNCTTTTGGATGCTCTCTTGGGCCACG

#### 17188.2

## 17190.1

## 17191.2&89.2

TGGCCTGGGCAGGATTGGGAGAGAGGTAGCTACCCGGATGCAGTCCTTTGGGATGAAGAC
TATAGGGTATGACCCCATCATTTCCCCAGAGGTCTCGGCCTCCTTTGGTGTTCAGCAGCTG
CCCCTGGAGGAGATCTGGCCTCTCTGTGATTTCATCACTGTGCACACTCCTCTCCTGCCCTC
CACGACAGGCTTGCTGAATGACAACACCTTTGCCCAGTGCAAGAAGGGGGTGCGTGTGGT
GAACTGTGCCCGTGGAGGATCGTGGACGAAGGCGCCCTGCTCCGGGCCCTGCAGTCTGG
CCAGTGTGCCGGGGCTGCACTGGACGTGTTTACGGAAGAGCCGCCACGGGACCGGGCCTT
GGTGGACCATGAGAATGTCATCAGCTGTCCCCACCTGGGTGCCAGCACCAAGGAGGCTCA
GAGCCGCTGTGGGGAGAAATTGCTGTTCAGTTCGTGGACATGGTGAAGGGGAAATCTCT
CACGGGGGTTGTGAATGCCCAGGCCCTT

AGCCAGATGGCTGAGAGCTGCAAGAAGAAGTCAGGATCATGATGGCTCAGTTTCCCACAG CGATGAATGGAGGCCAAATATGTGGGCTATTACATCTGAAGAACGTACTAAGCATGATA AACAGTTTGATAACCTCAAACCTTCAGGAGGTTACATAACAGGTGATCAAGCCCGTACTTT TTTCCTACAGTCAGGTCTGCCGGCCCCGGTTTTAGCTGAAATATGGGCCTTATCAGATCTG AACAAGGATGGGAAGATGGACCAGCAAGAGTTCTCTATAGCTATGAAACTCATCAAGTTA AAGTTGCAGGGCCAACAGCTGCCTGTAGTCCTCCCTCTATCATGAAACAACCCCCTATGT TCTCTCCACTAATCTCTGCTCGTTTTGGGATGGGAAGCATGCCCAATCTGTCCATTCATCAG CCATTGCCTCCAGTTGCACCTATAGCAACACCCTTGTCTTCTGCTACTTCAGGGACCAGTAT TCCTCCCTAATGATGCCTGCTCCCCTAGTGCCTTCTGTTAGTACATCCTCATTACCAAATG GAACTGCCAGTCTCATTCAGCCTTTATCCATTCCTTATTCTTCTAACATTGCCTCATGCA TCATCTTACAGCCTGATGATGGGAGGATTTGGTGGTGCTAGTATCCAGAAGGCCCAGTCTC TGATTGATTTAGGATCTAGTAGCTCAACTTCCTCAACTGCTTCCCTCTCAGGGAACTCACCT AAGACAGGGACCTCAGAGTGGGCAGTTCCTCAGCCTTCAAGATTAAAGTATCGGCAAAAA TTTAATAGTCTAGACAAAGGCATGAGCGGATACCTCTCAGGTTTTCAAGCTAGAAATGCCC TTCTTCAGTCAAATCTCTCTCAAACTCAGCTAGCTACTATTTGGACTCTGGCTGACATCGAT GGTGACGGACAGTTGAAAGCTGAAGAATTTATTCTGGCGATGCACCTCACTGACATGGCC AAAGCTGGACAGCCACTACCACTGACGTTGCCTCCCGAGCTTGTCCCTCCATCTTTCAGAG GGGGAAAGCAAGTTGATTCTGTTAATGGAACTCTGCCTTCATATCAGAAAACACAAGAAG AAGAGCCTCAGAAGAAACTGCCAGTTACTTTTGAGGACAAACGGAAAGCCAACTATGAAC GAGGAAACATGGAGCTGGAGAAGCGACGCCAAGTGTTGATGGAGCAGCAGCAGAGGGAG GCTGAACGCAAAGCCCAGAAAGAGAAGGAAGGAGGGGAGCGGAAACAGAGAGAACTGC AACAGGAGCTTGAGAGACAACGCCGTTTAGAATGGGAAAGACTCCGTCGGCAGGAGCTGC CTCCACCTGGAACTGGAAGCAGTGAATGGAAAACATCAGCAGATCTCAGGCAGACTACAA GATGTCCAAATCAGAAAGCAAACACAAAAGACTGAGCTAGAAGTTTTGGATAAACAGTGT GACCTGGAAATTATGGAAATCAAACAACTTCAACAAGAGCTTAAGGAATATCAAAATAAG CTTATCTATCTGGTCCCTGAGAAGCAGCTATTAAACGAAAGAATTAAAAACATGCAGCTCA GTAACACACCTGATTCAGGGATCAGTTTACTTCATAAAAAGTCATCAGAAAAGGAAGAAT TATGCCAAAGACTTAAAGAACAATTAGATGCTCTTGAAAAAAGAAACTGCATCTAAGCTCT CAGAAATGGATTCATTTAACAATCAGCTGAAGGAACTCAGAGAAAGCTATAATACACAGC AGTTAGCCCTTGAACAACTTCATAAAATCAAACGTGACAAATTGAAGGAAATCGAAAGAA AAAGATTAGAGCAAAAAAAAAAAAA

ATATCTAGAAGTCTGGAGTGAGCAAACAAGAGCAAGAAACAAAAAGAAGCCAAAAGCAG AAGGCTCCAATATGAACAAGATAAATCTATCTTCAAAGACATATTAGAAGTTGGGAAAAT AATTCATGTGAACTAGACAAGTGTGTTAAGAGTGATAAGTAAAATGCACGTGGAGACAAG TGCATCCCCAGATCTCAGGGACCTCCCCCTGCCTGTCACCTGGGGAGTGAGAGGACAGGAT AGTGCATGTTCTTTGTCTCTGAATTTTTAGTTATATGTGCTGTAATGTTGCTCTGAGGAAGC CCCTGGAAAGTCTATCCCAACATATCCACATCTTATATTCCACAAATTAAGCTGTAGTATG TACCCTAAGACGCTGCTAATTGACTGCCACTTCGCAACTCAGGGGCGGCTGCATTTTAGTA ATGGGTCAAATGATTCACTTTTTATGATGCTTCCAAAGGTGCCTTGGCTTCTCTTCCCAACT GACAAATGCCAAAGTTGAGAAAAATGATCATAATTTTAGCATAAACAGAGCAGTCGGCGA CAGATGATGTTCATCCGTGAATGGTCCAGGGAAGGACCTTTCACCTTGACTATATGGCATT ATGTCATCACAAGCTCTGAGGCTTCTCCTTTCCATCCTGCGTGGACAGCTAAGACCTCAGT TTTCAATAGCATCTAGAGCAGTGGGACTCAGCTGGGGTGATTTCGCCCCCCATCTCCGGGG GAATGTCTGAAGACAATTTTGTTACCTCAATGAGGGAGTGGAGGAGGATACAGTGCTACT ACCAACTAGTGGATAAAGGCCAGGGATGCTGCTCAACCTCCTACCATGTACAGGACGTCTC CCCATTACAACTACCCAATCCGAAGTGTCAACTGTGTCAGGACTAAGAAACCCTGGTTTTG ATTGGCAAATAAGCATTCTGTCTCTTTGGCTGCTGCCTCAGCACAGAGAGCCAGAACTCTA TCGGGCACCAGGATAACATCTCTCAGTGAACAGAGTTGACAAGGCCTATGGGAAATGCCT CCAAGTTCTGTAAGAGAAATGCCTGAGTTCTAGCTCAGGTTTTCTTACTCTGAATTTAGATC CACACAGACTTTTGAAAGCAAGGACAATGACTGCTTGAATTGAGGCCTTGAGGAATGAAG CTTTGAAGGAAAAGAATACTTTGTTTCCAGCCCCCTTCCCACACTCTTCATGTGTTAACCAC TGCCTTCCTGGACCTTGGAGCCACGGTGACTGTATTACATGTTGTTATAGAAAACTGATTTT AGAGTTCTGATCGTTCAAGAGAATGATTAAATATACATTTCCTA

Vill Lists	l'iohe l	rlx -	Pasto 2	List P. C. A. December		ŀ					
11.	MAN OVALY I (HIRLS)		2726, Dendella: cella	Service Control of City	I Ialu/Well	5	₹ <u></u>	۸× ا	Proba 2	2 5/10	AX
	1754 Overy Tumor	1	C2 O	(112h) munice et	(4.215) (C.13)	(2303	1137	93	1430	2.0	₹,
110 F	Willy Overy Lines		יין איטערא ויי	(42220026 (420)	421G0186 (C.11)	355	27	54	382	2	130
Ī	ייין יישרץ ניוווווו	:	S10 Skeletal masch: N	42270621 (420)	421G0196 (C 11)	1290	6.9	15	20%		
_ [-	zosa ovany temon		S2 Paratous H	(422N0629 (420)	42100096 (C 11)	- ;	9	-;-		2	<u>.</u>
?:	JUGA		<u>S</u>	422.000 (a.z.a.)	4034:00400	-;-		٦-		7	79
2 2 4 4	265A. Overy Tumon		CIS Houth	(4.3.7)	(t) an on one of	;	38	20	618	2.0	20
1 4	\$25 Ovary Tunion	1		17500054 (470)	421G0106 (C:11)	2305	14 8	53	<u>\$</u>	2.2	ड
	30.8		NAME OF THE PARTY	(422) (115) (420)	42160186 (C.11)	531	3.5	53	743	15	3
1				42200000 (420)	42100106 (C.11)	1847	100	2	1 5		
- 	azz Ovury tumor		C19 Kidiney El	[42200627 (420)	421C0106 (C.11)	-;-		~ :-		2	2
i	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		9445 5 P	42270602 (420)	V SO HOOLON	-,-	- [		/50	<u> </u>	88
	202A Overy Tumor		334A Luna Infestion 11	2000 200 200 200		70m1	12.2	2/	205	2.3	/3
. s.	S118		(111)	(177) / 7 (470)	(42160196 (C:11)	1406	7.5	55	965	2.2	55
<u> </u>	200A Overy Yuman		11.17	422C(1604 (420)	421G0188 (C.11)	500	34	51	573	20	15
<u> </u>	201A OVBIV Tullior		Al figure 2017	(422VT625 (420)	421G0106 (C.11)	200	4.5	5.4	159	2	25
13	C.23 (1997) F.13		So Stollach N	[422M(162d] (1920)]	421G0186 (C·11)	625	19	<del>4</del> 6	1335	20	Į,
	Hallan Amar	2	S56 Spirial Cold N	42200620 (420)	421G0196 (C:11)	3006	223	ç	20%		
<u> </u>	AGI	2	270A	[42200006 (420)	421G0108 (C 11)	306		3	2ne	7	20
=	0004		the second of Authors of the Authors of the Second of the	ONLY WHITECH	(1) A) mains as	1077	}- 	46	1256	20	46
L.E.	305A OVERY I		CO. 1.1.1.1.	(1), (1)	4210018b (C. 11)	252	3,4	72	1029	2.3	12
<u>آڙ</u>	, , , , , , , , , , , , , , , , , , ,		r read lissife	(422X0607 (426)	421G01198 (C.11)	8126	35.6	99	1449	0 0	
	ייישווין אווויטן		S73 Breast IN	4221 (0623 (420)	4210010616 441	061		j		-i	2
<u> </u>	302A		C119	40900000	(11)	200	?;	19	1531	4.6	61
12	286A	(65)	()	(074) (170)	421G0186 (C.11)	387	3.2	20	1270	2.7	20
		Ī		47720001 (450)	421G0196 (C·11)	4247	23.5	8	000		

FIG. 3

TAGCGYGGTCGCGGCCGAGGYCTGCTTYTCTGTCCAGCCCAGGGCCTGTGGGGTCAGGGC
GGTGGGTGCAGATGGCATCCACTCCGGTGGCTTCCCCATCTTTCTCTGGCCTGAGCAAGGT
CAGCCTGCAGCCAGAGTACAGAGGGCCAACACTGGTGTTCTTGAACAAGGGCCTTAGCAG
GCCCTGAAGGRCCCTCTCTGTAGTGTTGAACTTCCTGGAGCCAGGCCACATGTTCTCCTCAT
ACCGCAGGYTAGYGATGGTGAAGTTGAGGGTGAAATAGTATTMANGRAGATGGCTGGCA
RACCTGCCCGGGCGGCCGCTCSAAATCC

AGCGTGGTCGCGGCCGAGGTGTCCTTCAGGGTCTGCTTATGCCCTTGTTCAAGAACACCAG TGTCAGCTCTCTGTACTCTGGTTGCAGACTGACCTTGCTCAGGCCTGAGAAGGATGGGGCA GCCACCAGAGTGGATGCTGTCTGCACCCATCGTCCTGACCCCAAAAGCCCTGGACTGGACA GAGAGCGGCTGTACTGGAAGCTGAGCCAGCTGACCCACGGCATCACTGAGCTGGGCCCCT ACACCCTGGACAGGGACAGTCTCTATGTCAATGGTTTCACCCATCGGAGCTCTGTACCCAC CACCAGCACCGGGGTGGTCAGCGAGGAGCCATTCAACCTGCCCGGGCGCCGCTCGA TTGGGGNTTTMGAGCGGCCGCCCGGGCAGGTACCGGGGTGGTCAGCGAGGAGCCATTCAC

ACTGAACTTCACCATCAACAACCTGCGGTATGAGGAGAACATGCAGCACCCTGGCTCCAG

GAAGTTCAACACCACGGAGAGGGTCCTTCAGGGCCTGCTCAGGTCCCTGTTCAAGAGCAC

CAGTGTTGGCCCTCTGTACTCTGGCTGCAGACTGACTTTGCTCAGACTTGAGAAACATGGG

GCAGCCACTGGAGTGGACGCCATCTGCACCCTCCGCCTTGATCCCACTGGTCCTGGACTGG

ACAGAGAGCGGCTATACTGGGAGCTGAGCCAGTCCTCTGGCGGNGACNCCNCTT

**B**AGCGTGGTCGCGGCCGAGGTCCAGTCGCAGCATGCTCTTTCTCCTGCCCACTGGCACAGTG
AGGAAGATCTCTGCTGTCAGTGAGAAGGCTGTCATCCACTGAGATGGCAGTCAAAAGTGC
ATTTAATACACCTAACGTATCGAACATCATAGCTTGGCCCAGGTTATCTCATATGTGCTCA
GAACACTTACAATAGCCTGCAGACCTGCCCGGGCCGCCGCTCGA

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TGTGGTGTTGAACTTCCTGGAGNCAGGGTGACCCATGTCCTCCCCATACTGCAGGTTGGTG
ATGGTGAAGTTGAGGGTGAATGGTACCAGGAGAGGGCCAGCAGCCATAATTGTSGRGCKG
SMGMSSGAGGMWGGWGTYYCWGAGGTTCYRARRTCCACTGTGGAGGTCCCAGGAGTGCT
GGTGGTGGGCACAGAGSTCYGATGGGTGAAACCATTGACATAGAGACTGTTCCTGTCCAG
GGTGTAGGGGCCCAGCTCTTYRATGYCATTGGYCAGTTKGCTYAGCTCCCAGTACAGCCRC
TCTCKGYYGMGWCCAGSGCTTTTGGGGTCAAGATGATGGATGCAGATGGCATCCACTCCA
GTGGCTGCTCCATCCTTCTCGGACCTGAGAGAGGTCAGTCTGCAGCCAGAGTACAGAGG
CCAACACTGGTGTTCTTTGAATA

TCGAGCGCCCCCGGGCAGGTCAGGAAGCACATTGGTCTTAGAGCCACTGCCTCCTGGA TTCCACCTGTGCTGCGGACATCTCCAGGGAGTGCAGAAGGGAAGCAGGTCAAACTGCTCA GATCAGTCAGACTGGCTGTTCTCAGTTCTCACCTGAGCAAGGTCAGTCTGCAGCCAGAGTA CAGAGGGCCAACACTGGTGTTCTTGAACAAGGGCTTGAGCAGACCCTGCAGAACCCTCTTC CGTGGTGTTGAACTTCCTGGAAACCAGGGTGTTGCATGTTTTTCCTCATAATGCAAGGTTG GTGATGG

Gene	Bal Probe'1 Eup Name	14	4	Probe 3	GEM	Probe1	Probe2	Probe1	10	Probez	<b>be2</b>
THOMBER (DA)	T. VINO A 201, 0 71	£	A STATE OF THE PARTY OF THE PAR	Z 237 - VIII.	ALMAN A. C. I.	110,40		2 2 2 2	2 4	n/n	*
L'HOURN IDE	The State Owner Commercial	I			CHARLES TO A STATE OF	1700		7.76	E	7:7	Ę
() () () () () () () () () () () () () (		¥			W. 31. 37.	780.	2001	15, 1	£	G.	ž
	Allian Vien Vien			Sof belal usage	/0°0%;	12151	1717	<u></u>	<u>:</u>	×	=
	13.1 TON OVARY I (me)	. 3		HDA AmtaN	11908777	7.187	-180	54.0	7.1	/ 0	17.
	mind Chary Tumor			Name of Street	1.71106.3	7.88.2	9116	19.2	- ×	· -	-
TOO SECOND	111 WM Ovary T (met			H Colon M	arount it	1717	=	100	- -		. <u>.</u>
100 38100171	H. 90 J. 11 O O W. 1. CRC. H.			ZHRZ	10,0001	21.0	×		<	: <u>-</u>	: <
	the Wild Ovay's our			- 72A Dendudicell	************	£17.78	1.75.1	25.0	3		: 3
	the forty thum	3		S. Canada as G	the Willyle e. F.	1:00%	13.06	IX.S	×	- C	=
	1, Amag Vijit 1	3		": 10 PHANC (activa	(0.001.11	1617	13831	<b>S</b> :-	3	: <del>:</del>	: 3
	thing I Amar all the transfer	2		कार भाग तिसम्बद्धाः ।	1020, 27 1 4	1.0 (1.)	176	=======================================	2	7	: 2
	mind knyd voy n. i			CIS Hearth	1.7980.1	13.1	1.00		==	<u> </u>	<u> </u>
	mmi Amao Van I	3		77 Ovary []	9, 90, , , 1	1666	K 1.7	<b>≈</b>	8	=======================================	99
	THU ARAO VELLE			711A Paphapus N	117011	1837	) HKO	7.1	70	\$ <del>0</del>	76
	THE SOLV COMP THEE	7		S. 10 Stelendament	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7-10-5	16.51	- 9	2×	3	· 9
	- X X X . X . X . X . X . X . X			27 Oran 1	11111111111111	61 Oi	13.54	e: I	Ž	<b>-</b> :	7
10 4 10 10 10 10 10 10 10 10 10 10 10 10 10	TOTAL STATE OF THE	=		1 to butter 2 I	11 111111111111	1/16	1075	9.1	ä	\$ <del>.</del>	-: -:
		1		OT VENDY CHE	1000317	107.1	1708	21.0	10	1.1	=
		3		THA Langer Intestin	11170075	700	2101	16.6	ž	<b>*</b>	6%
10 (1) 88 (10) (1)	TOTAL AND A STATE OF THE STATE			Will Hear Mariew		10:1	15021	9'6	90	<del>-</del>	33
	-			KIA Ovary M	1:10011:1	1757	2084	22.0	6.5	21.0	3
		7		C.I.I. Branch	47.20,06.10	70.7	1663	6.01	XX	~;	×
				7 House C.1.1.)	47570032	18.13	17.7	10.7	×/	¥.4	· 🛬
	THE SOLVEN THEM	3		Se Sumari N	0790/\74	6711	1204	1.0	3	3.5	90

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Proba2	A 8.	-	- 2	5 3	3 3	<u>-</u> -	<b>E E</b>	<u> </u>	<b>3</b> 3	3	ë	3	X.	9/	1111	į	<b>:</b>	= ;	3	3	3	3	10	75	• ,	<b>S</b> :	£ =	- 2
746	8/8	0.0	: =	` '	<u> </u>		: - : c	; 3		<u>.</u>	= ·	-;	Ç	9. <del>1</del>	7.7	-	: ? i :	1 :	o. :	6.7	2.7	z ~	<del>-</del>	9	· ·	 	; - - -	
Probe1.	A 8.	3.	, AG	3	= =	: ×	: <del>?</del>	: <u>-</u>	. 9	×	= =	3	ξ	?	÷	7(1	07.	: <u>;</u>		à :	e e	ટ	- ×	7.5	50	<b>S</b> 13	र ह	
)A &	8/8	103.3	65.3	- T- 13	91.1	58.5	2.1.5	\$ E	9 (7.	= = = = = = = = = = = = = = = = = = = =	: =	= =	7.5	<b>3</b> .		₹.	41.5		! ?		n :	æ .	- <u>;</u>	3.7	7.8		9.30	
Probe2	Value	<u> </u>	1179	1.7.1		22.15	15.7	C 77	S IS	11.11	700			9/71	9971	×:	3726	1471	1.15.11			7	<del>:</del>	97,	1371	1.61.	862	
Probe1	Vatue	26711	13559	1.11.25	17191	11 336	6583	ረህጸርን	7801	1774	1877	7613			Z / ::	1//	6967		1057	X				760	1.67	78.1	3.17.00	
GEM		1090877	12.7(106.28	HOOKIL	1.500000	12000224	4 P. P. 100.00 18	E. BOZ.	119816	1,000,7,1	1000, 5, , 1	1200051	1000001	TO TOTAL TO		TOPON.	70907	11,000,00	CTUOAT.	010011251	112,100.22	SUMMER		07 GH2 77	0790.22	7 10017	422110000	
Proba 2 P2 Name	WS CHI LES IN	201520 100 100 120	Z Dio 3 minde in c	Matary Villa	7 1.3AT 1.7D/	Z Heard Z	17.7 Dendanceell	A Commercial Fra	Z > = > - > - > > >	The state of the first in the f	ancour Henri Oli i		o 12 kniney fi	M AWAD / . S	1 23,000			_	Mann Fill	Will Bone Manney	111A Lange Intesting	Pan Plynd ors	NY OVER N	14 7 mm 7 07	7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	N sullingdos, 1 VII.2		
	# # # # # # # # # # # # # # # # # # #							30			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	interior de la constitution de l		The state of the s														
Bal Probe 1 Enp Name p1	THE BIRSA OVALYT	111 5 S.33 Ovary Tumor	PHOLESON CONTRACTOR	J. AWAD VOIL ROLL	BUILT VIEW ALOU I CI	THE REAL OFFI	114 John Overy Tillian	TAMA OVALY TO	to mind Anad Alas Chi	THE SHO OVEY TORE	THE THE PROPERTY OF THE PROPER		TOTAL AND A STATE OF THE STATE	A BALL VIIII	G H.S. I. ARACHEL	C. C. A. C. A. C. A. C. A. C.	J. APAC VAR OTT	THE PRINT CHAIN THEM	TO SOUTH THE PARTY OF THE PARTY		The state of the s		٧ 	1 0 201A Ovary Timma	TO ANNA OVINY TO LINE	TAND A SHAD VISI		
Gene	(1.)			T. J KIOTI	(1.0) (210)	1.01 81011.	1 ×		11.0) [21011: 1-		(s.) executive	11.01 121021171	The Distriction of the Control of th	TT. 77 TTTTTTTT					(1. )   18101111.1.	11. 11 1810111. 1	421HOURT [C.1]	15.01 18100071				15.01 181011775		

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Gene	Bal Prohe 1			MHD	Probel	Probe2	Probet	; •	Probe2	262
	rational Manuel Principles	ьз	Name	ar.	Value	Value	8/B	A &	8/B	A 94
42110182 [117]	1467 Puch Ovary Tone	The fact that the fact of the	HISA AutaN	HOOXECT	7/00	462	- <del>1</del> 0.1	37.	1	3
12110182 [117]	1107 APAO ACO. 1011	The state of the s		4 20,0000	10131	950	6.10	=	- x	: =
- 171101183 [117]	TABAD VON DOL			/000X771		04.50	0.5	: <u>Ş</u>	:	= =
1.11011K2 (111/1	18 8 S.M. Ovary Tunna		2.5	1 : 'C :00: 2 K	//81	XX	7 ()	Ξ,	; <del>-</del>	= =
17111 (310)16 (1	16 J. WIA Oviny T Guere		_	COORT 1	180	× -/	27.6	: :		:
421101182 (1174	Manual Kina Oras I Ci		л.	179011771	C136	1000	37.1	Ξ	· ~	: .
1/11/2/1017	1 1500 L ARAO VOTE 611		TOTAL OVARY M	Pronter	2001	-	30.1	s	: ::: ::::::::::::::::::::::::::::::::	: 3
711, 3101.	113 July (1848) Thum		S. Paramara S.	E SON T	TH 61.	2271	X X	Τ,	5	7
1711 (310117)	and Town Yaman		C.1.1 Bone Manow	010011	180	=======================================	<u>۲</u>	ž	=	23
171101181 (1171	128 John Ovary Tanna		Armin batable 012	1, 100, 11	K.D.C	\$111.	91:4	3	: <del>-</del>	3
1/110118 / 111/1	THE STATE OF THE S		1011.200 prom, 011.2	1070, 27, 1	1861	X1 /	- -c	3		3
1711) (1111)	H. 18. J. L. ADVALLED BY A T.	The part of the pa	1.4.1.0	107021	2007	===	1.7.1	=	0.7	=
711) . 21011.	munt knatt Cott t		(10) Littin y [1]	1.0000001	186	XX.	÷1	3	-	: 3
1/111 x x 1111.1	THU LAWAD VIM COL		II white all	300001 1	1310	1361	. × 1	<i>;</i>		
711, 2101, 1	1 VIIVO V. 38 C	intelligitation	11 mm 11 11 1	0190031	909	0.11	- · ·	3	· -	: 5
			1111111111111	1, 900, 1, 1	1.000%	148843	311	/=	<i>^</i> -	=
1/11/2801.5	I KIIND VIII III	4	5.7 Orany M	1000001	3,5	/ H	97.	×.	<del>-</del> ;	×
711 /91011.	_		MA Large Intestr 429 AGG.	1,22000.22	2540	1601	11.2	7.	7.5	7.
[/II] , XIGH. 1	I. ABOV ON I. I		A HI PHARE CALIFORN	(17,210,605	711	7.18	6 -	6.2	?i	(V)
711 . 31011.	1.1 BikA Ovary Tunna		Nill III.	47.2V00.3	KO.X	1120	.5. 1	99	7.7	ģ
71117 73111117	manna, Amay Vert 1		SI Ovary M	9790777	<b>≘</b> ÷	207	F F	9	2.2	99
171101182 (117)	CHARLE COMMANDER		OTEX PROVEDS TO	7000X;71		15.29	21.6	90	9.5	90
1711183 [117]	111 428A Oviny T (min		11 th Usuphayus fil	1 13-100 L2	725	689	6.2		3. K	3
17111 731101171	10 OULA Ovary Tanna II		So Stomach O	07,00,020	1008	200	7.7	Ç	<u></u>	7

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Gene	<b>-</b>				6 13	GEM	Probet	Probe2	Probel	91	Probed	993
Name	Est) Name, P	PI	4	P2	Name	10	Value	Value	8/8	24	g/B	74
CIVOURU (DII)	1112 426A Ovny Trans	S		7	A Anna ACII	HOOXEE	8072	<u>∓</u> ;	55.2	67	2.4	1.9
THAN BUTTER	1111 Say Ovacy Tumor				S56 Spinal Cond N	4220024	1.91 /.	5.17	47.6	3	5.5	3
1217/01/89 [131]	112 6 479A Ovary T (met		יייעעייין ווייעעעייייייי		161A Ovary N	11501171	2850	227	21.7	ē	1.5	÷
[14] 0810V1°	T YEAR OWN T	5			S91 Felalitanic	1000Xi di	11.71	1.100	S-[ 0	*	2.5	X.
421 VOLES [D11]	17 1 201A Ovary Tumm	E	111000000000000000000000000000000000000		ST Head N	12001129	C1 (-3)	17.6	N./ N.	3	9.7	3.0
1111 001100 1111	munt York See See		THE PERSON NAMED IN COLUMN NAM		Cl. Hone, Mannew	6190Heet	208	1216	2.1	÷	6 ?	=
111000000	I YEAN ACCOUNT	35,		2	MALING FA	1 P. Cottodio	86.76	11.1	£2.4	7	9 7	7
THATE THE	115 BOA OVARY FURTE				II Chian N	COMMENT	G-:-	/0/.	T	7	=	7
1101 0310/17	14 4 Mat A Ovary Transa			2	S10 Stab adomes h	1 2 4 1010 1 1	0.117	Ξ	1 67	11.	÷.	=
TICH BRIDALLE	14 Parts Ovary Tunna		printing and the state of	Ž.	N. Pamaca: II	the Mills of	(19)	13(15)	<b>-</b>	Œ,	-	Ξ
Tri Aorea (1911)	T. THAN OVERY				the man the	0190006	¥0},	HOC.	Ξ	3	:	93
	H.)S.) J. ARNO 1116 6 CT		The latest and the la		1 Sam	100000	2500	HOOD	177	7	-7	7
1110 0810 1111	1 S SHY Ovary Tome	.2	The second second	\$	of 100 Southmerson	1000 ), , 1	₹ ₹	900	<i>1</i> . 9	Ę	-	3
1.11.0310.71.1	111 and Ovary famin				CD Hand	1, 2000, , 1	1.7	177.	<u>=</u>	11	× ~	=
THE SERVICE	1. 1 181A Ovay T (may			V.	Try thantan cells	112 / 100,008	138	711	17.0	7.0	07	70
Trail ostrowing	1. YEAR OVER 11	3			527 Orany Fi	1 OPOS I	0/11	711	×	<u>-</u>	O.5	<del>-</del>
tatkonsa fort	1 9 ARGA OVARY T			÷,	S 10 PUNIC GRINAL	20001	<u>-</u>	580	6.5	÷	0.7	<del>-</del>
121 VOLBO [D11]	11 / 200 A Ovary Tunno				111A Lager line attra	57'90V'c1	2002	7071	<u> </u>	¥0	7.7	ž
	minut ymae Petr I I				57 Ovary M	0790,771	171	0/ <del>1</del>	6.5	<b>?</b>	2.0	÷
111) (811)	H TREA OVERY TREES				[1] [] [] [] [] [] [] [] [] [] [] [] [] []	<b>47700777</b>	606	1001	5.6	7.5	2.0	7.7
	11 JULY OVARY THINK			ė.	S6 Stommen N	H SWOW II	750	672	56	Ç	<del>ر</del> در	74
Trail as marker	11 1 428A Ovary T Caurt				211A Isophagus M	11710017	498	4:16	연.	=		=
42170189 [111]	OT YMAD I CREO O I			্ৰ	OHS SPORMY TO	20007211	3117	3174	16.7	16	χ. C.,	3
1111 68107171	S.2. Ovary Tunnin				C19 Kalacy N	12200021	72.1	÷	2.3	÷	7.6	÷

FIG. 1.

	Probe2	2 5	Ş	= =	= 4	9	÷	<u> </u>	,	: 3	: -		} ;	- 7	= =			: 3		: ×	<b>3</b>	: ;>	: ≋	ڃ	₹
	Pro	a ~ ~		-	:	5.0	<b>3</b>	<b>O</b> 7		=	; <del>-</del>		: =	سر ا~ ا	0.0	2	9 6	: c	<u> </u>	0.2	- -	ē	1.7	다 :	; ;
	Probet	95	; <u>,</u> ;	· *	÷	35	÷	÷	5	į.	÷	3	÷	7.	÷	₹	90	6.0	3,5	×.	58	2.1	≆.	: ع	÷
	Pro 8/B	30.2	27.1	10.1	15.8	3.1.	6.11	e Ci	17.7	017	×	3. T	7.1	<u>-</u> 7.	1.2	2.9	<u></u>	÷	2.7	6.5	<del>.</del> .	15.1	12.5	9.7	7.7
	Probe2 Value	270	5.1.1	2	1008		÷	057	25	0171	7.7.9	16.50	1.2.70	503	687	1.86	5171	908 806	571	201	6/7	2:10.3	562	202	
	Probet Value	5-1-1	5.11K	(252	7.04.6	5-150	Ξ ;	(1)			1363		7006	= 2,	= -	1623	Z 2 X -	100	9) ? ?	18.2	800	2282	2261	2 7 7 7	
	GEM	÷	-	1.1001.71		20000000000000000000000000000000000000	17900.71		. •	-		0.9011	300000		•			<del>.</del>		9, 90, 7, 1	07.00A\7.7+	7000.77	00001771	•	
	Probe 3 Hamo	A BIOV VCII	Z Jung ) Immaly, acco	101A (18,8 ) 1	A MAY LOUIS DE		The Heart					11.50 11.00.11					Carlo Lange Harsell		a continuidade de la continuidad	No Minus - M		11 ( 12 mm b)	S. J. Ovav N	CTT Brane Mannaw	
	2				\$				<b>3</b>	£			2	3	î.	3	ž.							Ĭ	
					90						200														
	16		3	3	7		<b>S</b>						•			Σ						- -			
	Ento Name	THE STEON OWAY THAN	TAND VOLT 1 31	J. AWAO VSB / CI	T. A. M. A. A. OVALY T	mm. The Acot State		116 John Ovary Tunna	111 JOIN OVERY THINE	The Wally Owary Francis	1 1 tota Ovary Tunn	THE BELL OVERY TORRY	1 St. Ovary Tunna	1 / 186A Ovary T		O S 26.2A Ovmy Timm	1 288A Ovay Tunn	1.1 138A OVALY T (med	1 1 115A Ovary Tunna	TOTAL OVERY THEM	O DIBALPOVINY TO	BIA Ovny T (men	200A Ovary T	S25 Ovmy Timm	
0000	Name (1) 11 10 187 1 1 1 1	171101B/ [E11]	11:11/21011, 1:		[	/ 200															/ / / / / / / / / / / / / / / / / / / /				

#### 11721-1

#### 11721-2

#### 11724-1

TTTGTTCCTTACATTTTCTAAAGAGTTACTTAAATCAGTCAACTGGTCTTTGAGACTCTTA
AGTTCTGATTCCAACTTAGCTAATTCATTCTGAGAACTGTGGTATAGGTGGCGTGTCTCTTC
TAGCTGGGACAAAAGTTCTTTGTTTTCCCCCTGTAGAGTATCACAGACCTTCTGCTGAAGC
TGGACCTCTGTCTGGGCCTTGGACTCCCAAATCTGCTTGTCATGTTCAAGCCTGGAAATGTT
AATCTTTAATTCTTCCATATGGATGGACATCTGTCTAAGTTGATCCTTTAGAACACTGCAAT
TATCTTCTTTGAGTCTAATTTCTTCTTTTGCTTTGAATCGCATCACTAAACTTCCTCCC
ATTTCTTAGCTTCATCTACCCCTGTCACGATCATCCTGGAGGGAAGACATGCTCTTAGTA
AAGGCTGCAAGCTGGGTCACAGTACTGTCCAAGTTTTCCTGAAGTTGCTGAACTTCCTTGT
CTTTCTTGTTCAAAGTAACCTGAATCTCTCCAATTGTCTCTCCAAGTGGACTTTTTCTCTGC
GCAAAGCATCCAG

## 11724-2

#### 11725-32-1.2

#### 11726-1&2

# 11727-1&2

#### 11728.1.40.19.19

### 11728.2.40.19.19

CCCGTGGGTGCCATCCACGGAGTTGTTACCTGATCTTTGGAAGCAGGATCGCCCGTCTGCACTGCAGTGGAAGCCCCGTGGGCAGCAGTGATGGCCATCCCCGCATGCCACGGCCTCTGGGAAGGGCAGCAACTGGAAGTCCCTGAGACGGTAAAGATGCAGGAGTGGCCGGCAGAGCAGTGGGCATCAACCTGGCAGGGGCCACCCAGATGCCTGCTCAGTGTTGTGGGCCATTTGTCCAGAAGGGGACGCAGCAGCTGTAGCTGGCTCCTCCGGGGTCCAGGCAGCAGCCACAGGCCACCAGCCACCAGCCTCCAGCACCACCAGCCTCCACCAGCCTCCACCACCCAGCCTCCCACCACCCAGCCTCCTGTTAAGGCCACCCAGCCTCCTGCTGTGAGCTGCCCAGTGGGAAGTATGGCTGCCCAATGCCCAACGCCACCTGCTGCTCCGATCCCAACGCCACCTGCTGCTCCCAACGCCACCTGCTGCTCCCAACGCCACCTGCTCCCCAAGGAGACACTGTTGTGACCTGATCCAGAGTAAGTGCCCCAACGCCACCTGCTCCCCAAGGAGAACG

# 11730-1

### 11730-2

#### 11732.1contig

## 11732.2contig

#### 11735-1-2

AGATCAACCTCTGCTGGTCAGGAGGAATGCCTTCCTTGTCTTGGATCTTTGCTTTGACGTTC
TCGATAGTRWCAaCTKKRYTSRAMSKMAAGKGYRATGRWMTTKSYWGWRASYKTMWWM
RSGRARAYTTaGaCAYCCCMCCTCWgAGaCGSAGKACCARGTGCAgAgGTGGACTCTTTCTG
GATGTTGTAGTCAGACAGGGTGCGTCCATCTTCCAGCTGTTTCCCAGCAAAGATCAACCTC
TGCTGATCAGGAGGGATGCCTTCCTTATCTTGGATCTTTGCCTTGACATTCTCGATGGTGTC
ACTGGGCTCCACCTCGAGGGTGATGGTCTTACCAGTCAGGGTCTTCACGAAGATYTGCATC
CCACCTCTGAGACGGAGCACCAGGTGCAGGGTRGACTCTTTCTGGATGTTGTAGTCAGACA
GGGTGCGYCCATCTTCCAGCTGcTTTCCSaGCAAAGATCAACCTCTGCTGGTCAGGAGGRAT
GCCTTCCTTGTCYTGGATCTTTGCYTTGACRTTCTCRATGGTGTCACTCGGCTCCACTTCGA
GAGTGATGGTCTTACCAGTCAGGGTCTTCACGAAGATCTGCATCCCACCTCTAA

## 11740.2.contig

### 11765.2&64.2.contig

CGCCTCCACCATGTCCATCAGGGTGACCCAGAAGTCCTACAAGGTGTCCACCTCTGGCCCC CGGGCCTTCAGCAGCCGCTCCTACACGAGTGGGCCCGGTTCCCGCATCAGCTCCTCGAGCT TCTCCCGAGTGGCAGCAGCAACTTTCGCGGTGGCCTGGGCGGCGGCTATGGTGGGCCA GCGCATGGGAGCATCACCGCAGTTACGGTCAACCAGAGCCTGCTGAGCCCCCTTGTCCT GGAGGTGGACCCCAACATCCAGGCCGTGCGCACCCAGGAGAAGGAGCAGATCAAGACCCT CAACAACAAGTTTGCCTCCTTCATAGACAAGGTACGGTTCCTGGAGCAGCAGAACAAGAT GCTGGAGACCAAGTGGAGCCTCCTGCAGCAGCAGAAGACGGCTCGAAGCAACATGGACA ACATGTTCGAGAGCTACATCAACARCCTTAGGCGGCAGCTGGAGACTCTGGGCCAGGAGA AGCTGAAGCTGGAGGCGGAGCTTGGCAACATGCAGGGGCTGGTGGAGGACTTCAAGAAC AAGTATGAGGATGAGATCAATAAGCGTACAGAGATGGAGAACGAATTTGTCCTCATCAAG AAGGATGTGGATGAAGCTTACATGAACAAGGTAGAGCTGGAGTCTCGCCTGGAAGGGCTG ACCGACGAGATCAACTTCCTCAGGCAGCTGTATGAAGAGGAGATCCGGGAGCTGCAGTCC CAGATCTCGGACACATCTGTGGTGCTGTCCATGGACAACAGCCGCTCCCTGGACATGGACA GCATCATTGCTGAGGTCAAGGCACAGTACGAGGATATTGCCAACCGCAGCCGGGCTGAGG ATGACCTGCGGCGCACAAAGACTGAGATCTCTGAGATGAACCCGGAACATCAGCCCGGCT XCAGGCTGAGATTGAGGGCCTCAAAGGCCAGAXGGCTTXCCTGGAXGXCCGCCAT

## 11767.2.contig

CCCGGAGCCAACGAGCGAAAATGGCAGACAATTTTTCGCTCCATGATGCGTTATCT
GGGTCTGGAAACCCAAACCCTCAAGGATGGCCTGGCGCATGGGGGAACCAGCCTGCTGGG
GCAGGGGGCTACCCAGGGGCTTCCTATCCTGGGGCCTACCCGGGCAGCACCCCCAGGG
GCTTATCCTGGACAGGCACCTCCAGGCGCCTACCCTGGAGCACCTGGAGCTTATCCCGGAG
CACCTGCACCTGGAGTCTACCCAGGGCCACCCAGCGGCCCTGGGGCCTACCCATCTTCTGG
ACAGCCAAGTGCCACCGGAGCCTACCCTGCCACTGGCCCCTATGGCGCCCCTGCTGGGCCA
CTGATTGTGCCTTATAACCTGCCTTTGCCTGGGGAGTGGTGCCTCGCATGCTGATAACAA
TTCTGGGCACGGTGAAGCCCAATGCAAACAGAATTGCTTTAGATTTCCAAAGAGGGAATG
ATGTTGCCTTCCACTTTAACCCACGCTTCAATGAGAACAACAGGAGAGTCATTGGTTGCAA
TACAAAGCTGGATAA

## 11768-1&2

GGGAATGCAACAACTTTATTGAAAGGAAAGTGCAATGAAATTTGTTGAAACCTTAAAAGG
GGAAACTTAGACACCCCCCCTCRAgCGMAGKACCARGTGCARAgGTGGACTCTTTCTGGAT
GTTGTAGTCAGACAGGGTRCGWCCATCTTCCAGCTGTTTYCCRGCAAAGATCAACCTCTGC
TGATCAGGAGGRATGCCTTCCTTATCTTGGATCTTTGCCTTGACATTCTCGATGGTGTCACT
GGGCTCCACCTCGAGGGTGATGGTCTTACCAGTCAGGGTCTTCACGAAGATYTGCATCCCA
CCTCTGAGACGGAGCACCAGGTGCAGGGTRGACTCTTTCTGGATGTTGTAGTCAGACAGG
GTGCGYCCATCTTCCAGCTGcTTTCCSaGCAAAGATCAACCTCTGCTGGTCAGGAGGRATGC
CTTCCTTGTCYTGGATCTTTGCYTTGACRTTCTCAATGGTGTCACTCGGCTCCACTTCGAGA
GTGATGGTCTTACCAGTCAGGGTCTTCACGAAGATCTGCATCCCACCTCTAAGACGGAGCA
CCAGGTGCAGGGTGGACTCTTTCTGGATGTTGTAGTCAGACAGGGTGCGTCCATCTTCCA
GCTGTTTCCCAGCAAAGATCAACCT

#### 11768-1&2-11735-1&2

AGGTTGATCTTTGCTGGGAAACAGCTGGAAGATGGACGCACCCTGTCTGACTACAAcCATC CAGAAAGAGTCCACCCTGCACCTGGTGCTCCGTCTTAGAGGTGGATGCAGATCTTCGTGA AGACCCTGACTGGTAAGACCATCACTCTCGAAGTGGAGCCGAGTGACACCATTGAGAAYG TCAARGCAAAGATCCARGACAAGGAAGGCATYCCTCCTGACCAGCAGAGGTTGATCTTTG CtSGGAAAGCAGCTGGAAGATGGRCGCACCCTGTCTGACTACAACATCCAGAAAGAGTCYA CCCTGCACCTGGTGCTCCGTCTCAGAGGTGGGATGCARATCTTCGTGAAGACCCTGACTGG TAAGACCATCACCCTCGAGGTGGAGCCCAGTGACACCATCGAGAATGTCAAGGCAAAGAT CCAAGATAAGGAAGGCATCCCTCCTGATCAGCAGAGGTTGATCTTTGCTGGGAAACAGCT GGAAGATGGACGCACCCTGTCTGACTACAACATCCAGAAAGAGTCCACcTYTGCACYTGGT MCTBCGtCTYaGAGGKGGGRTGcaaaTCTWMGTKWagaCaCtCaCTKKYAAGRYYaTCAMCMWt gAKKTCgAKYSCASTKWCaCTWTCRAKAAMGTYRWWGCAWagaTCCMAGACAAGGAAGGC ATTCCTCCTGACCAGCAGAGGTTGATCT

## 11769.1.contig

# 11769.2.contig

## 11770.1.contig

## 11770.2.contig

## 11773.1.contig

## 11778.1.contig

# 11778-2&30-2

CAGGAACCGGAGCGCGAGCAGTAGCTGGGTGGGCACCATGGCTGGGATCACCACCATCGA
GGCGGTGAAGCGCAAGATCCAGGTTCTGCAGCAGCAGCAGGAGTGATGCAGAGGAGCGAG
CTGAGCGCCTCCAGCGAGAAGTTGAGGGAGAAAAGGCGGGCCCGGGAACAGGCTGAGGCT
GAGGTGGCCTCCTTGAACCGTAGGATCCAGCTGGTTGAAGAAGAGCTGGACCGTGCTCAG
GAGCGCCTGGCCACTGCCCTGCAAAAGCTGGAAGAAGCTGAAAAAGCTGCTGATGAGAGT
GAGAGAGGTATGAAGGTTATTGAAAACCGGGCCTTAAAAGATGAAGAAAAGATGGAACT
CCAGGAAATCCAACTCAAAGAAGCTAAGCACATTGCAGAAGAGGCAGATAGGAAGTATG
AAGAGGTGGCTCGTAAGTTGGTGATCATTGAAGGAGACTTGGAACGCACAGAGGAACGAG
CTGAGCTGGCAGAGTCCCGTTGCCGAGAGATGGATGAGCAGATTAGACTGATGGACCAGA
ACCTGAAGTGTCTGAGTGC

### 11782.1.contig

ATCTACGTCATCAATCAGGCTGGAGACACCATGTTCAATCGAGCTAAGCTGCTCAATATTG
GCTTTCAAGAGGCCTTGAAGGACTATGATTACAACTGCTTTGTGTTCAGTGATGTGGACCT
CATTCCGATGGACGACCGTAATGCCTACAGGTGTTTTTCGCAGCCACGGCACATTTCTGTT
GCAATGGACAAGTTCGGGTTTAGCCTGCCATATGTTCAGTATTTTGGAGGTGTCTCTGCTCT
CAGTAAACAACAGTTTCTTGCCATCAATGGATTCCCTAATAATTATTGGGGTTGGGGAGGA
GAAGATGACGACATTTTTAACAGATTAGTTCATAAAGGCATGTCTATATCACGTCCAAATG
CTGTAGTAGGGAGGTGTCGAATGATCCGGCATTCAAGAGACAAGAAAAATGAGCCCAATC
CTCAGAGGTTTGACCGGATCGCACATACAAAGGAAACGATGCGCTTCGATGGTTTGAACT
CACTTACCTACAAGGTGTTGGATGTCAGAGATACCCGTTATATACCCCAAATCAC

## 11782.2.contig

### 11783-1 & 2

## 11786.1.contig

### 11786.2.contig

### 13691.1&2

### 13692.1&2

TCCGAATTCCAAGCGAATTATGGACAAACGATTCCTTTTAGAGGATTACTTTTTCAATTTC
GGTTTTAGTAATCTAGGCTTTGCCTGTAAAGAATACAACGATGGATTTTAAATACTGTTTG
TGGAATGTGTTTAAAGGATTGATTCTAGAACCTTTGTATATTTGATAGTATTTCTAACTTTC
ATTTCTTTACTGTTTGCAGTTAATGTTCATGTTCTGCTATGCAATCGTTTATATGCACGTTTC
TTTAATTTTTTTAGATTTTCCTGGATGTATAGTTTAAACAACAAAAAAGTCTATTTAAAACTG
TAGCAGTAGTTTACAGTTCTAGCAAAGAGGAAAGTTGTGGGGTTAAACTTTGTATTTTCTT
TCTTATAGAGGCTTCTAAAAAGGTATTTTTATATGTTCTTTTTAACAAATATTGTGTACAAC
CTTTAAAACATCAATGTTTGGATCAAAACAAGACCCAGCTTATTTTCTGC

# 13693.2

#### 13696.1-13744.1

## 13700.1

CAAGGGATATATGTTGAGGGTACRGRGTGACACTGAACAGATCACAAAGCACGAGAAACA
TTAGTTCTCTCCCCCCAGCGTCTCCTTCGTCTCCCTGGTTTTCCGATGTCCACAGAGTGA
GATTGTCCCTAAGTAACTGCATGATCAGAGTGCTGKCTTTATAAGACTCTTCATTCAGCGT
ATCCAATTCAGCAATTGCTTCATCAAATGCCGTTTTTGCCAGGCTACAGGCCTTTTCAGGA
GAGTTTAGAATCTCATAGTAAAAGACTGAGAAATTTAGTGCCAGACCAAGACGAATTGGG
TGTGTAGGCTGCATTNCTTTCTTACTAATTTCAAATGCTTCCTGGTAAGCCTGCTGGGAGTT
CGACACAAGTGGTTTGTTTGTTGCTCCAGATGCCACTTCAGAAAGATACCTAAAATAATCT
CCTTTCATTTTCAAAGTAGAACAC

### 13700.2

### 13701.1

AAAAAGCAGCARGTTCAACACAAAATAGAAATCTCAAATGTAGGATAGAACAAAACCAA GTGTGTGAGGGGGAAGCAACAGCAAAAGGAAGAAATGAGATGTTGCAAAAAAAGATGGA GGAGGGTTCCCCTCTCTGGGGACTGACTCAAACACTGATGTGGCAGTATACACCATTC CAGAGTCAGGGGTGTTCATTCTTTTTTGGGAGTAAGAAAAGGTGGGGATTAAGAAGACGT TTCTGGAGGCTTAGGGACCAAGGCTGGTCTCTTTCCCCCCTCCCAACCCCCTTGATCCCTTT CTCTGATCAGGGGAAAGGAGCTCGAATGAGGGAGGTAGAGTTGGAAAGGGAAAGGATTC CACTTGACAGAATGGGACAGACTCCTTCCCA

#### 13702.2

AGCTGGCGCTAGGGCTCGGTTGTGAAATACAGCGTRGTCAGCCCTTGCGCTCAGTGTAGAA ACCCACGCCTGTAAGGTCGGTCTTCGTCCATCTGCTTTTTTCTGAAATACACTAAGAGCAG CCACAAAACTGTAACCTCAAGGAAACCATAAAGCTTGGAGTGCCTTAATTTTTAACCAGTT TCCAATAAAACGGTTTACTACCT

### 13704.2-13740.2

GGAGATGAAGATGAGGAAGCTGAGTCAGCTACGGGCARGCGGGCAGCTGAAGATGATGA GGATGACGATGTCGATACCAAGAAGCAGAAGACCGACGAGGATGACTAGACAGCAAAAA AGGAAAAGTTAAA

#### 13706.1

GATGAAAATTAAATTAAATTAATCAAAAGGCACTACGATACCACCTAAAAACCTACTG CCTCAGTGGCAGTAKGCTAAKGAAGATCAAGCTACAGSACATYATCTAATATGAATGTTA GCAATTACATAKCARGAAGCATGTTTGCTTTCCAGAAGACTATGGNACAATGGTCATTWG GGCCCAAGAGGATATTTGGCCNGGAAAGGATCAAGATNAANGTAAAG

# 13706.2

### 13710.2

#### 13710-1

TGAGATTTATTGCATTTCATGCAGCTTGAAGTCCATGCAAAGGRGACTAGCACAGTTTTTA ATGCATTTAAAAAAATAAAAGGGAGGTGGGCAGCAAACACACAAAGTCCTAGTTTCCTGGG TCCCTGGGAGAAAAGAGTGTGGCAATGAATCCACCCACTCTCCACAGGGAATAAATCTGT CTCTTAAATGCAAAGAATGTTTCCATGGCCTCTGGATGCAAATACACAGAGCTCTGGGGTC AGAGCAAGGGGAGAGAGACCACGAGTGAAAAAGCAGCTACACACATTCACCTAAT TCCATCTGAGGGCAAGAACAACGTGGCAAGTCTTGGGGGTAGCAGCTGTT

### 13711.1

TGAGACGACCACTGGCCTGGTCCCCCCTCATKTGCTGTCGTAGGACCTGACATGAAACGC AGATCTAGTGGCAGAGAGGAAGATGATGAGGAACTTCTGAGACGTCGGCAGCTTCAAGAA GAGCAATTAATGAAGCTTAACTCAGGCCTGGGACAGTTGATCTTGAAAGAAGAAGAGATGGAG AAAGAGAGCCGGGAAAGGTCATCTCTGTTAGCCAGTCGCTACGATTCTCCCATCAACTCAG CTTCACATATTCCATCATCTAAAACTGCATCTCTCCCTGGCTATGGAAGAAATGGGCTTCA CCGGCCTGTTTCTACCGACTTCGCTCAGTATAACAGCTATGGGGATGTCAGCGGGGGAGTG CGAGATTACCAGACACTTCCAGATGGCCACATGCCTGCAATGAGAATGGACCGAGGAGTG TCTATGCCCAACATGTTGGAACCAAAGATATTTCCATATGAAATGCTCATGGTGACCAACA GAGGGCCGAAACCAAATCTCAGAGAGGTGGACCAGA

### 13713.1&2

TCACTTTATTTTCTTGTATAAAAACCCTATGTTGTAGCCACAGCTGGAGCCTGAGTCCGCT GCACGGAGACTCTGGTGGGGTCTTGACGAGGTGGTCAGTGAACTCCTGATAGGAGACT TGGTGAATACAGTCTCCTTCCAGAGGTCGGGGGTCAGGTAGCTGTAGGTCTTAGAAATGGC ATCAAAGGTGGCCTTGGCGAAGTTGCCCAGGGTGGCAGTGCAGCCCCGGGCTGAGGTGTA GCAGTCATCGATACCAGCCATCATGAG

#### 13715.4

### 13717.1&2

#### 13719.1&2

#### 13721.1

#### 13721.2

GGAAAGGATTCAAGAATTAGAGGACTTGCTTGCTRAGAAAAAGACAACTCTCGTCGCAT GCTGACAGACAAAGAGAGAGAGAGGCGGAAATAAGGGATCAAATGCAGCAACAGCTGA ATGACTATGAACAGCTTCTTGATGTAAAGTTAGCCCTGGACATGGAAATCAGTGCTTACAG GAAACTCTTAGAAGGCGAAGAAGAGAGGTTGAAGCTGTCTCCAAGCCCTTCTTCCCGTGT GACAGTATCCCGAGCATCCTCAAGTCGTAGTGTACCGTACAACTAGAGGAAAGCGGAAGA GGGTTGATGTGGAAGAATCAGAGGCGAAGTAGTAGTGTTAGCATCTCTCATTCCGCCTCAA CCACTGGAAATGTTTGCATCGAAGAAATTGATGTTGATGGGAAATTTATCCCGCTTGAAGA ACACTTCTGAACAGGATCAACCAATGGGAAGGCTTGGGAGATGATCAGAAAAATTGGAGA CACATCAGTCAGTTATAAATATACCTCAA

### 13723.1

GATGTGTTGGACCCTCTGTGTCAAAAAAAAACCTCACAAAGAATCCCCTGCTCATTACAGAA GAAGATGCATTTAAAATATGGGTTATTTTCAACTTTTTATCTGAGGACAAGTATCCATTAA TTATTGTGTCAGAAGAATTGAATACCTGCTTAAGAAGCTTACAGAAGCTATGGGAGGAG GTTGGCAGCAAGAACAATTTGAACATTATAAAATCAACTTTGATGACAGTAAAAATGGCC TTTCTGCATGGGAACTTATTGAGCTTATTGGAAATGGACAGTTTAGCAAAGGCATGACCG GCAGACTGTCTTATGGCAATTAATGAAGTCTTTAATGAACTTATATTAGATGTTTAAAG CAGGGTTACATGATGAAAAAGGGCCACAGACGGAAAAACTGGACTGAAAGATGGTTTGTA CTAAAACCCAACATAATTTCTTACTATGTGAGTGAGGATCTGAAGGATAAGAAAGGAGAC ATTCTCTTGGATGAAAATTGCTGTGTAGAAGTCCTTGCCTGACAAAAAGATGGAAAAAT GCCTTTT

### 13725.1

### 13725.2

## 13726.1&2

#### 13727.2

ACCTAGACAGAAGGTGGGTGAGGGAGGACTGGTAGGAGGCTGAGGCAATTCCTTGGTAGT
TTGTCCTGAAACCCTACTGGAGAAGTCAGCATGAGGCACCTACTGAGAGAAGTGCCCAGA
AACTGCTGACTGCATCTGTTAAGAGTTAACAGTAAAGAGGTAGAAGTGTGTTTCTGAATCA
GAGTGGAAGCGTCTCAAGGGTCCCACAGTGGAGGTCCCTGAGCTACCTCCCTTCCGTGAGT
GGGAAGAGTGAAGCCCATGAAGAACTGAGATGAAGCAAGGATGGGGTTCCTGGGCTCCA
GGCAAGGGCTGTGCTCTCTGCAGCAGGGAGCCCCACGAGTCAGAAGAAAAGAACTAATCA
TTTGTTGCAAGAAACCTTGCCCGGATACTAGCGGAAAACTGGAGGCGGNGGTGGGGGCAC
AGGAAAGTGGAAGTGATTTGATGGAGAGCAGAGAAACCTATCCACAGTGGCCGAGTCCAC
TTGTAAAGTG

#### 13728.1&2

### 13731.1&2

TGTGCCAGTCTACAGGCCTATCAGCAGCGACTCCTTCAGCAACAGATGGGGTCCCCTGTTC AGCCCAACCCCATGAGCCCCAGCAGCATATGCTCCCAAATCAGGCCCAGTCCCCACACCT ACAAGGCCAGCAGATCCCTAATTCTCTCTCCAATCAAGTGCGCTCTCCCCAGCCTGTCCCTT CTCCACGGCCACAGTCCCAGCCCCCCCACTCCAGTCCTTCCCCAAGGATGCAGCCTCAGCC TTCTCCACACCACGCTTTCCCCACAGACAAGTTCCCCACATCCTGGACTGGTAGTTGCCCAG GCCAACCCCATGGAACAAGGGCATTTTGCCAGCC

#### 13734.1&2

#### 13736.2

ATGGCTGCTGGATTTAGGTGGTAATAGGGGCTGTGGGCCATAAATCTGAAGCCTTGAGAA CCTTGGGTCTGGAGAGCCATGAAGAGGGAAGGAAAAGAGGGCAAGTCCTGAACCTAACC AATGACCTGATGGATTGCTCGACCAAGACACAGAAGTGAAGTCTGTGTCTGTGCACTTCCC ACAGACTGGAGTTTTTGGTGCTGAATAGAGCCAGTTGCTAAAAAAATTGGGGGTTTGGTGA AGAAATCTGATTGTTGTGTATTCAATGTGTGATTTTAAAAAATAAACAGCAACAACAATA AAAACCCTGACTGGCTGTTTTTTCCCTGTATTCTTTACAACTATTTTTTGACCCTCTGAAAA TTATTATACTTCACCTAAATGGAAGACTGCTGTGTTTGTGGAAATTTTTTAATT TATTTTATTCTCTCCCTTTTTTATTTTGCCTGCAGAATCCGTTGAGAGACTAATAAGGCTTA

### 13744.2-13696.2

## 13746.1&2-13720.1&2

#### 14347.2

#### 14348.2&14350.1&2

TCCCGAATTCAAGCGACAAATTGGAWAGTGAAATGGAAGATGCCTATCATGAACATCAGG CAAATCTTTTGCGCCAAGATCTGATGAGACGACAGGAAGAATTAAGACGCATGGAAGAAC TTCACAATCAAGAAATGCAGAAACGTAAAGAAATGCAATTGAGGCAAGAGGAGGAACGA CGTAGAAGAGAGAGAGAGATGATGATTCGTCAACGTGAGATGGAAGAACAAATGAGGCG CCAAAGAGAGAGGAAAGTTACAGCCGAATGGGCTACATGGATCCACGGGAAAGAGACATGC GAATGGGTGGCGGAGGAGCAATGAACATGGGAGATCCCTATGGTTCAGGAGGCCAGAAA TTTCCACCTCTAGGAGGTGGTGGCATAGGTTATGAAGCTAATCCTGGCGTTCCACCAG CAACCATGAGTGGTTCCATGATGGGAAGTGACATGCGTACTGAGCGCTTTTGGGCAGGAG GTGCGGGGCCTGTGGGTGGACAGGGTCCTAGAGGAATTGGGAACTCCAGCAGGAT ATGGTAGAGGGAGAGAAAAGAGTACGAAGGC

## 14349.1&2

#### 14352.1&2

GCGCGGGTGCGTGGGCCACTGGGTGACCGACTTAGCCTGGCCAGACTCTCAGCACCTGGA
AGCGCCCCGAGAGTGACAGCGTGAGGCTGGGAGGGAGGAGCTTGGCTTGAGCTTGTTAAAC
TCTGCTCTGAGCCTCCTTGTCGCCTGCATTTAGATGGCTCCCGCAAAGAAGAGGGTGGCGAGA
AGAAAAAGGGCCGTTCTGCCATCAACGAAGTGGTAACCCGAGAATACACCATCAACATTC
ACAAGCGCATCCATGGAGTGGGCTTCAAGAAGCGTGCACCTCGGGCACTCAAAGAGTTC
GGAAATTTGCCATGAAGGAGATGGGAACTCCAGATGTGCGCATTGACACCAGGCTCAACA
AAGCTGTCTGGGCCAAAGGAATAAGGAATGTGCCATACCGAATCCGTGTGCGGCTGTCCA
GAAAACGTAATGAGGATGAAGATTCACCAAATAAGCTATATACTTTGGTTACCTATGTACC
TGTTACCACTTTCAAAAAATCTACAGACAGTCAATGTGGATGAGAACTAATCGCTGATCGT

#### 14353.1

#### 14353.2

## 17182.1&2

GGTTCACAGCACTGCTGCTTGTGTTGTCCGGCCAGGAATTCCAGGCTCACAAGGCTATCT
TAGCAGCTCGTTCTCCGGTTTTTAGTGCCATGTTTGAACATGAAATGGAGGAGAGCAAAAA
GAATCGAGTTGAAATCAATGATGTGGAGCCTGAAGTTTTTAAGGAAATGATGTGCTTCATT
TACACGGGGAAGGCTCCAAACCTCGACAAAATGGCTGATGATTTTGCTGGCAGCTGCTGAC
AAGTATGCCCTGGAGCGCTTAAAGGTCATGTGTGAGGATGCCCTCTGCAGTAACCTGTCCG
TGGAGAACGCTGCAGAAATTCTCATCCTGGCCGACCTCCACAGTGCAGATCAGTTGAAAA
CTCAGGCAGTGGATTTCATCAACTATCATGCTTCGGATGTCTTGGAGACCTCTTGGG

### 17186.1&2

#### 17187.1&2

### 17191.1&89.1

#### 17192.1&2

TAATTTCTTAGTCGTTTGGAATCCTTAAGCATGCAAAAGCTTTGAACAGAAGGGTTCACAA AGGAACCAGGGTTGTCTTATGGCATCCAGTTAAGCCAGAGCTGGGAATGCCTCTGGGTCAT CCACATCAGGAGCAGAAGCACTTGACTTGTCGGTCCTGCCACGGTTTGGGCGCCCACC ACGCCCACGTCCACCTCGTCCTCCCCTGCCGCCACGTCCTGGGCGGCCAAGGTCTCCAAAA TTGATCTCCAGCTGAGACGTTATATCATTTGCTGGCTTCCGGAAATGATGGTCCATAACCG AATCTTCAGCATGAGCCTCTTCACTCTTTGATTTATGAAGAACAAATCCCTTCTTCCACTGC CCATCAGCACCTTCATTTGGTTTTCGGATATTAAATTCTACTTTTGCCCGGTCCTTATTTTGA ATAGCCTTCCACTCATCCAAAGTCATCTCTTTTGGACCCTCCTCTTTTACCTCTTCAACTTCA TTCTCCTTATTTTCAGTGTCTGCCACTGGATGATGTTCTTCACCTTCAGGTGTTTCCTCAGTC ACATTTGATTGATCCAAGTCAGTTAATTCGTCTTTGACAGTTCCCCAGTTGTGAGATCCGCT ACCTCCACGTTTGTCCTCGTGCTTCAGGCCAGATCTATCACTTCCACTATGCCTATCAAATT CACGTTTGCCACGAGAATCAAATCCATCTCCTCGGCCCATTCCACGTCCACGGCCCCCTCG ACCTCTTCCAAGACCACCACGACCTCGAATAGGTCGGTCAATAATCGGTCTATCAACTGAA AATTCGCCTCCTTCACCCTTTTCTTCAAGTGGCTTTTCGAATCTTCGTTCACGAGGTGGTCG CCTTTCTGGTCTTCTATCAATTATTTTCCCTTCACCCTGAAGTTGTTGATCAGGTCTTCTTCC **AACTCGTGC** 

## 17193

AAGCGGATGGACCTGAGTCAGCCGAATCCTAGCCCCTTCCCTTGGGCCTGCTGTGGTGCTC GACATCAGTGACAGACGGAAGCAGCAGACCATCAAGGCTACGGGAGGCCCGGGGCGCTT GCGAAGATGAAGTTTGGCTGCCTCTCCTTCCGGCAGCCTTATGCTGGCTTTGTCTTAAATG TCGCCGTCCACATTGCTCACAGGGACTGGGAAGGCGATGCCTGTCGGGAGCTGCTGGTGG AGAGACTCGGGATGACTCCTGCTCAGATTCAGGCCTTGCTCAGGAAAGGGGAAAAGTTTG GTCGAGGAGTGATAGCGGGACTCGTTGACATTGGGGAAACTTTGCAATGCCCCGAAGACT TAACTCCCGATGAGGTTGTGGAACTAGAAAATCAAGCTGCACTGACCAACCTGAAGCAGA AGTACCTGACTGTGATTTCAAACCCCAGGTGGTTACTGGAGCCCATACCTAGGAAAGGAG GCAAGGATGTATTCCAGGTAGACATCCCAGAGCACCTGATCCCTTTGGGGCATGAAGTGT GACAAGTGTGGGCTCCTGAAAGGAATGTTCCRGAGAAACCAGCTAAATCATGGCACCTTC AATTTGCCATCGTGACGCAGACCTGTATAAATTAGGTTAAAGATGAATTTCCACTGCTTTG GAGAGTCCCACCACTAAGCACTGTGCATGTAAACAGGTTCCTTTGCTCAGATGAAGGAA GTAGGGGGTGGGGCTTTCCTTGTGTGATGCCTCCTTAGGCACACAGGCAATGTCTCAAGTA CTTTGACCTTAGGGTAGAAGGCAAAGCTGCCAGTAAATGTCTCAGCATTGCTGCTAATTTT GGTCCTGCTAGTTTCTGGATTGTACAAATAAATGTGTTGTAGATGA

TCGAGCGCCCCGGGCAGGTGTCGGAGTCCAGCACGGAGGCGTGGTCTTGTAGTTGT
TCTCCGGCTGCCCATTGCTCTCCCACTCCACGGCGATGTCGCTGGGATAGAAGCCTTTGAC
CAGGCAGGTCAGGCTGACCTGGTTCTTGGTCATCTCCTCCCGGGATGGGGGCAGGGTGTAC
ACCTGTGGTTCTCGGGGCTGCCCTTTGGCTTTGGAGATGGTTTTCTCGATGGGGGCTGGGA
GGGCTTTGTTGGAGACCTTGCACTTGTACTCCTTGCCATTCAACCAGTCCTGGTGCANGAC
GGTGAGGACGCTNACCACACGGTACGNGCTGGTGTACTGCTCCTCCCGCGGCTTTGTCTTG
GCATTATGCACCTCCACGCCGTCCACGTACCAATTGAACTTGACCTCAGGGTCTTCGTGGC
TCACGTCCACCACCACGCATGTAACCTCAAANCTCGGNCGCGANCACGC

#### 16443.2.edit

#### 16444.2.edit

AGCGTGGTTNCGGCCGAGGTCCCAACCAAGGCTGCANCCTGGATGCCATCAAAGTCTTCTGCAACATGGAGACTGGTGAGACCTGCGTGTACCCCACTCAGCCCAGTGTGGCCCAGAAGAACCTGGTACATCAGCAAGAACCCCAAGGACAAGAGCCATGTCTGGTTCGGCGAGAGCATGACCCGATGGATTCCAGTTCGAGTATGGCGGCCAGGGCTCCGACCCTGCCGATGTGGACCTGCCCGGGCGGNCGCTCGA

### 16445.1.edit

#### 16445.2.edit

### 16446.1.edit

TCGAGCGCCCCGGGCAGGTCCTCCTCAGAGCGGTAGCTGTTCTTATTGCCCCGGCAGC CTCCATAGATNAAGTTATTGCANGAGTTCCTCTCCACGTCAAAGTACCAGCGTGGGAAGG ATGCACGGCAAGGCCCAGTGACTGCGTTGGCGGTGCAGTATTCTTCATAGTTGAACATATC GCTGGAGTGGACTTCAGAATCCTGCCTTCTGGGAGCACTTGGGACAGAGGAATCCGCTGC ATTCCTGCTGGTGGACCTCGGCCGCGACCACGCT

### 16446.2.edit

AGCGTGGTCGCGGCCGAGGTCCACCAGCAGGAATGCAGCGGATTCCTCTGTCCCAAGTGC TCCCAGAAGGCAGGATTCTGAAGACCACTCCAGCGATATGTTCAACTATGAAGAATACTG CACCGCCAACGCAGTCACTGGGCCTTGCCGTGCATCCTTCCCACGCTGGTACTTTGACGTG GAGAGGAACTCCTGCAATAACTTCATCTATGGAGGCTGCCGGGGCAATAAGAACAGCTAC CGCTCTGAGGAGGACCTGCCCGGGCGGCCGCTCGA

## 16447.1.edit

#### 16447.2.edit

### 16449.1.edit

AGCGTGGTCGCGGCCGAGGTCCTGTCAGAGTGGCACTGGTAGAAGNTCCAGGAACCCTGA ACTGTAAGGGTTCTTCATCAGTGCCAACAGGATGACATGAAATGATGTACTCAGAAGTGTC CTGNAATGGGGCCCATGANATGGTTGNCTGAGAGAGAGCTTCTTGTCCTACATTCGGCGG GTATGGTCTTGGCCTATGCCTTATGGGGGTGGCCGTTGNGGGCGGTGNGGTCCGCCTAAAA CCATGTTCCTCAAAGATCATTTGTTGCCCAACACTGGGTTGCTGACCANAAGTGCCAGGAA GCTGAATACCATTTCCAGTGTCATACCCAGGGTGGGTGACGAAAGGGGTCTTTTGAACTGT GGAAGGAACATCCAAGATCTCTGNTCCATGAAGATTGGGGTGTGGAAGGGTTACCAGTTG GGGAAGCTCGCTGTCTTTTTCCTTCCAATCANGGGCTCGCTCTTCTGAATATTCTTCAGGGC AATGACATAAATTGTATATTCGGTTCCCGGTTCCAGGCCAG

#### 16450.1.edit

## 16450.2.edit

AGCGTGGTCGCGGGCGAGGTCCTGTCAGAGTGGCACTGGTAGAAGTTCCAGGAACCCTGA
ACTGTAAGGGTTCTTCATCAGTGCCAACAGGATGACATGAAATGATGTACTCAGAAGTGTC
CTGGAATGGGGCCCATGAGATGGTTGTCTGAGAGAGAGCTTCTTGTCCTACATTCGGCGGG
TATGGTCTTGGCCTATGCCTTATGGGGGTGGCCGTTGTGGGCGGTTGGTCCGCCTAAAAC
CATGTTCCTCAAAGATCATTTGTTGCCCAACACTGGGTTGCTGACCAGAAGTGCCAGGAAG
CTGAATACCATTTCCAGTGTCATACCCAGGGTGGGTGACGAAAGGGGTCTTTTGAACTGTG
GAAGGAACATCCAAGATCTCTGGTCCATGAAGATTGGGGTGTGGAAGGGTTACCAGTTGG
GGAAGCTCGTCTGTCTTTTTCCTTCCAATCANGGGCTCGCTCTTCTGATTATTCTTCAGGGC
AATGACATAAATTGTATATTCGGNTCCCGGGTNCAGCCAATAATAATAACCCTCTGTGACA
CCANGGCGGGGCCGAAGGANCACT

AGCGTGGTCGCGGCCGAGGTCCTCACCAGAGGTACCACCTACAACATCATAGTGGAGGCA CTGAAAGACCAGCAGAGGCATAAGGTTCGGGAAGAGGTTGTTACCGTGGGCAACTCTGTC AACGAAGGCTTGAACCAACCTACGGATGACTCGTGCTTTGACCCCTACACAGTTTCCCATT ATGCCGTTGGAGATGAGTGGGAACGAATGTCTGAATCAGGCTTTAAACTGTTGTGCCAGTG CTTANGCTTTGGAAGTGGTCATTTCAGATGTGATTCATCTAGATGGTGCCATGACAATGGT GTGAACTACAAGATTGGAGAGAAGTGGGACCGTCAGGGAGAAAATGGACCTGCCCGGGC GGCCGCTCGA

### 16451.2.edit

## 16452.1.edit

AGCGTGGCCGCGGCCGAGGTCCATTGGCTGAACGGCATCAACTTGGAAGCCAGTGATCG
TCTCAGCCTTGGTTCTCCAGCTAATGGTGATGGNGGTCTCAGTAGCATCTGTCACACGAGC
CCTTCTTGGTGGGCTGACATTCTCCAGAGTGGTGACAACACCCTGAGCTGGTCTGTC
AAAGTGTCCTTAAGAGCATAGACACTCACTTCATATTTGGCGNCCACCATAAGTCCTGATA
CAACCACGGAATGACCTGTCAGGAAC

## 16452.2.edit

### 16453.2.edit

## 16454.1.edit

AGCGTGGNTGCGGACGCCCACAAAGCCATTGTATGTAGTTTTANTTCAGCTGCAAAN AATACCNCCAGCATCCACCTTACTAACCAGCATATGCAGACA

### 16454.2.edit

TCGAGCGGTCGCCCGGGCAGGTCTGGGCGGATAGCACCGGGCATATTTTGGAATGATGA GGTCTGGCACCCTGAGCAGCCCAGCGAGGACTTGGTCTTAGTTGAGCAATTTGGCTAGGA GGATAGTATGCAGCACGGTTCTGAGTCTGTGGGATAGCTGCCATGAAGNAACCTGAAGGA GGCGCTGGCTGGTANGGGTTGATTACAGGGCTGGGAACAGCTCGTACACTTGCCATTCTCT GCATATACTGGNTAGTGAGGCGAGCCTGGCGCTCTTCTTTGCGCTGAGCTAAAGCTACATA CAATGGCTTTGNGGACCTCGGCCGCGACCACGCTT

#### 16455.2.edit

AGCGTGGTTTGCGGCCGAGGTCCTCACCANAGGTGCCACCTACAACATCATAGTGGAGGC ACTGAAAGACCAGCAGAGGCATAAGGTTCGGGAAGAGGTTGTTACCGTGGGCAACTCTGT CAACGAAGGCTTGAACCAACCTACGGATGACTCGTGCTTTGACCCCTACACAGNTTCCCAT TATGCCGTTGGAGATGAGTGGGAACGAATGTCTGAATCAGGCTTTAAACTGTTGTGCCAGT GCTTANGCTTTGGAAGTGGTCATTTCAGATGTGATTCATCTANATGGTGTCATGACAATGG TGNGAACTACAAGATTGGAGAGAAGTGGNACCGTCAGGGGANAAAAATGGACCTGCCCGG GCGCNCGCTCGA

### 16456.1.edit

### 16456.2.edit

TCGAGCGGCCGCCGGGCAGGTCCAATTGAAACAAACAGTTCTGAGACCGTTCTTCCACCA CTGATTAAGAGTGGGGNGGCGGGTATTAGGGATAATATTCATTTAGCCTTCTGAGCTTTCT GGGCAGACTTGGTGACCTTGCCAGCTCCAGCAGCCTTCTGGTCCACTGCTTTGATGACACC CACCGCAACTGTCTGTCTCATATCACGAACAGCAAAGCGACCCAAAGGTGGATAGTCTGA GAAGCTCTCAACACACATGGGCTTGCCAGGAACCATATCAACAATGGGCAGCATCACCAG ACTTCAAGAATTTAAGGGCCATCTTCCAGCTTTTTACCAGAACGGCGATCAATCTTTTCCTT CAGCTCAGCAAACTTGCATGCAATGTGAGCCG

#### 16459.2.edit

## 16460.1.edit

## 16460.2.edit

AGCGTGGTCGCGGCCGAGGTCCTCACCAGAGGTGCCACCTACAACATCATAGTGGAGGCA CTGAAAGACCAGCAGAGGCATAAGGCTCGGGAAGAGGTTGTTACCGTGGGCAACTCTGTC AACGAAGGCTTGAACCAACCTACGGATGACTCGTGCTTTGACCCCTACACAGTTTCCCATT ATGCCGTTGGAGATGAGTGGGAACGAATGTCTGAATCAGGCTTTAAACTGTTGTGCCAGTG CTTANGCTTTGGAAGTGGGTCATTTCAGATGTGATTCATCTAGATGGTGCCATGACAATGG NGNGAACTACAAGATTGGAGAGAAGTGGNACCGNCAGGGAGAAAATGGACCTGCCCGGG CGGCCGCTCGA

AGCGTGGTCGCGGCCGAGGTCCACATCGGCAGGGTCGGAGCCCTGGCCGCCATACTCGAA CTGGAATCCATCGTCATGCTCTCGCCGAACCAGACATGCCTCTTGTCCTTGGGGTTCTTGC TGATGTACCAGTTCTTCTGGGCCACACTGGGCTGAGTGGGGTACACGCAGGTCTCACCAGT CTCCATGTTGCAGAAGACTTTGATGGCATCCAGGNTGCAACCTTGGTTGGGGTCAATCCAG TACTCTCCACTCTTCCAGCCAGAGTGGCACATCTTGAGGTCACGGCAGGTGCGGNCGGGGG NTTTTGCGGCTGCCCTCTGGNCTTCGGNTGTNCTCNATCTGCTGGCTCA

#### 16461.2.edit

#### 16463.1.edit

AGCGTGGNNGCGGCCGAGGTATAAATATCCAGNCCATATCCTCCCTCCACACGCTGANAG ATGAAGCTGTNCAAAGATCTCAGGGTGGANAAAACCAT

## 16463.2.edit

CGAGCGGCGACCGGGCAGGTNCAGACTCCAATCCANANAACCATCAAGCCAGATGTCAG
AAGCTACACCATCACAGGTTTACAACCAGGCACTGACTACAAGANCTACCTGCACACCTTG
AATGACAATGCTCGGAGCTCCCCTGTGGTCATCGACGCCTCCACTGCCATTGATGCACCAT
CCAACCTGCGTTTCCTGGCCACCACACCCAATTCCTTGCTGGTATCATGGCAGCCGCCACG
TGCCAGGATTACCGGTACATCATCNAGTATGANAAGCCTGGGCCTCCTCCCAGAGAAGNG
GTCCCTCGGCCCCGCCCTGNTGTCCCANAGGNTACTATTACTGNGCCNGCAACCGGCAACC
GATATCNATTTTGNCATTGGCCTTCAACAATAATTA

#### 16464.2.edit

#### 16465.1.edit

### 16465.2.edit

## 16466.2.edit

TCGAGCGCCCCGGGCAGGTCCACCATAAGTCCTGATACAACCACGGATGAGCTGTCA GGAGCAAGGTTGATTCTTTCATTGGTCCGGNCTTCTCCTTGGGGGNCACCCGCACTCGAT ATCCAGTGAGCTGAACATTGGGTGGCGTCCACTGGGCGCTCAGGCT

### 16467.2.edit

TCGAGCGGTTCGCCCGGCCAGGTCCACCACACCCAATTCCTTGCTGGTATCATGGCAGCCGCCCACGTGCCAGGATTACCGGCTACATCATCAAGTATGAGAAGCCTGGGTCTCCTCCCAGAGAAGCGGTCCCTCGGCCCCGCCCTGGTGTCACAGAGGCTACTATTACTGGCCTGGAACCGGAACCGAATATACAATTTATGTCATTGNCCTGAAGAATAATCANNAANAGCGANCCCCTGATTGGAAGGA

## 01 16469.edit

## 02 16469.edit

# 03 16470.edit

AGCGTGGTCGCGGCCGAGGTGAAATGGTATTCAGCTTCCTGGCACTTCTGGTCAGCAACCC AGTGTTGGGCAACAAATGATCTTTGAGGAACATGGTTTTAGGCGGACCACACCCCCACA ACGCCCACCATAAGGCCAAGACCATACCCGCCGAATGTAGGACAAGAAGCT CTCTCTCAGACAACCATCTCATGGGCCCCATTCCAGGACACTTCTGAGTACATCATTTCATG TCATCCTGTTGGCACTGATGAAGAACCCTTACAGTTCAGGGTTCCTGGAACTTCTACCAGT GCCACTCTGACAGGACCTGCCCGGGCGGCCGCTCGA

# 04 16470.edit

## 05 16471.edit

TCGAGCGCCCCGGGCAGGTCTCCCTTCTTGCGGCCCAGGGGCAGCGCATAGTGGGAC
TCGTACCACTGTCGGTACGGTGTGCTGTCGATGAGCACGATGCAATTCTTCACCAGGGTCT
TGGTACGAACCAGCTCGTTATTAGATGCATTGTAGACAACATCGATGATCCTTGTTTTACG
AGTACAACACTCTGAGCCCCAGGAGAAAATTCCCCACGTCCAACCTCAGGGCACGGTATTTC
TTGTTACCTCCCCGCACACGGACTGTGTGGATGCGGCGGGGGCCAAGCTGACTCCTGAGGA
AGAAGAGTTTTAAACAAAAAACGATCTAAAAAAAATTCAGAAGAAATATGATGAAAGGA
AAAAGAATGCCAAAATCAGCAGTCTCCTGGAGGAGCAGTTCCAGCAGGGCAAGCTTCTTG
CGTGCATCGCTTCAAGGCCGGGACAGTGTGACCGAGCAGATGGCTATGTGCTAGAGGGCA
AAGAAGTGGAGTTCTATCTTAAGAAAAATCAGGGCCCAGAATGGTGNGTCTTCAACTAATC
CAAAGGGGAGTTTCAGACCAGTGCAATCAGCAAAAACATTGATACTGNTGGCCAAATTTA
TTGGTGCAGGCCTTGCACANTANGANNGGCTGGGTCTTGGGGCTTGGATTGGNACAAGCT
TTGGCAGCCTTTTCTTTGGTTTTGCCAAAAACCTTTTGNTGAAGANGANACCTNGGGCGGA
CCCCTTAACCGATTCCACNCCNGGNGGCGTTCTANGGNCCCNCTTG

## 06\_16471.edit

## 07\_16472.edit

TCGAGCGCCCCGGGCAGGTCCCCAACCAAGGCTGCAACCTGGATGCCATCAAAGTCT TCTGCAACATGGAGACTGGTGAGACCTGCGTGTACCCCACTCAGCCCAGTGTGGCCCAGA AGAACTGGTACATCAGCAAGAACCCCAAGGACAAGAGCATGTCTGGTTCGGCGAGAGCA TGACCGATGGATTCCAGTTCGAGTATGGCGGCCAGGGCTCCGACCCTGCCGATGTGGACCT CGGCCGCGACCACGCT

## 08 16472.edit

# 09\_16473.edit

### 11 16474.edit

# 12\_16474.edit

# 13\_16475.edit

## 14\_16475.edit

# 15\_16476.edit

# 16\_16476.edit

## 17\_16477.edit

# 18\_16477.edit

AGCGTGGTTNGCGGCCGAGGTCTGGGCCAGGGGCACCAACACGTCCTCTCTCACCAGGAA GCCCACGGGCTCCTGTTTGACCTGGAGTTCCATTTTCACCAGGGGCACCAGGTTCACCCTT CACACCAGGAGCACCGGGCTGTCCCTTCAATCCATNCAGACCATTGTGNCCCCTAATGCCT TTGAAGCCAGGAAGTCCAGGAGTTCCAGGGAAACCACCGAGCACCCTGTGGTCCAACAAC TCCTCTCACCAGGTCGTCCGGGTTTTCCAGGGTGACCATCTTCACCAGCCTTGCCAGGA GGACCAGCAGGACCAGCGTTACCAACCTGCCCGGGCGCCGCTCGA

## 21\_16479.edit

## 22 16479.edit

AGCGTGGTCGCGGCCGAGGTCCTCACCAGAGGTGCCACCTACAACATCATAGTGGAGGCA CTGAAAGACCAGCAGAGGCATAAGGTTCGGGAAGAGGTTGTTACCGTGGGCAACTCTGTC AACGAAGGCTTGAACCAACCTACGGATGACTCGTGCTTTGACCCCTACACAGTTTCCCATT ATGCCGTTGGAGATGAGTGGGAACGAATGTCTGAATCAGGCTTTAAACTGTTGTGCCAGTG CTTAGGCTTTGGAAGTGGTCATTTCAAGATGTGATTCATCTAGATGGTGCCATGACAATGG TGTGAACTACAAGATTGGAGAGAAGTGGGACCGTCAGGGAGAAAATGGACCTGCCCGGG CCGGCCGCTCGA

## 24\_16480.edit

TCGAGCGNNCGCCCGGGCAGGTCCAGTAGTGCCTTCGGGACTGGGTTCACCCCCAGGTCTG
CGGCAGTTGTCACAGCGCCAGCCCCGCTGGCCTCCAAAGCATGTGCAGGAGCAAATGGCA
CCGAGATATTCCTTCTGCCACTGTTCTCCTACGTGGTATGTCTTCCCATCATCATCAACACGT
TGCCTCATGAGGGTCACACTTGAATTCTCCTTTTCCGTTCCCAAGACATGTGCAGCTCATTT
GGCTGGCTCTATAGTTTGGGGAAAGTTTGTTGAAACTGTGCCACTGACCTTTACTTCCTCT
TCTCTACTGGAGCTTTCGTACCTTCCACTTCTGCTGTTGGTAAAATGGTGGATCTTCTATCA
ATTTCATTGACAGTACCCACTTCTCCCAAACATCCAGGGAAATAGTGATTTCAGAGCGATT
AGGAGAACCAAATTATGGGGCAGAAATAAGGGGCTTTTCCACAGGTTTTCCTTTGGAGGA
AGATTTCAGTGGTGACTTTAAAAGAATACTCAACAGTGTCTTCATCCCCATAGCAAAAGAA
GAAACNGTAAATGATGGAANGCTTCTGGAGATGCCNNCATTTAAGGGACNCCCAGAACTT
CACCATCTACAGGACCTACTTCAGTTTACANNAAGNCACATANTCTGACTCANAAAGGAC
CCAAGTAGCNCCATGGNCAGCACTTTNAGCCTTTCCCCTGGGGAAAANNTTACNTTCTTAA
ANCCTNGGCCNNGACCCCCTTAAGNCCAAATTNTGGAAAANTTCCNTNCNNCTGGGGGGC
NGTTCNACATGCNTTTNAAGGGCCCAATTNCCCCNT

## 25\_16481.edit

TCGAGCGCCCCGGGCAGGTGTCGGAGTCCAGCACGGGAGGCGTGGTCTTGTAGTTGT
TCTCCGGCTGCCCATTGCTCTCCCACTCCACGGCGATGTCGCTGGGATAGAAGCCTTTGAC
CAGGCAGGTCAGGCTGACCTGGTTCTTGGTCATCTCCTCCCGGGATGGGGGCAGGGTGTAC
ACCTGTGGTTCTCGGGGCTGCCCTTTGGCTTTGGAGATGGTTTTCTCGATGGGGGCTGGGA
GGGCTTTGTTGGAGACCTTGCACTTGTACTCCTTGCCATTCAGCCAGTCCTGGTGCAGGAC
GGTGAGGACGCTGACCACACGGTACGTGCTGTTGTACTGCTCCTCCCGCGGCTTTGTCTTG
GCATTATGCACCTCCACGCCGTCCACGTACCAGTTGAACTTGACCTCAGGGTCTTCGTGGC
TCACGTCCACCACCACGCATGTAACCTCAGACCTCGGCCGCACCACGCT

# 26\_16481.edit

AGCGTGGTCGCGGCCGAGGTCTGAGGTTACATGCGTGGTGGACGTGAGCCACGAAGA
CCCTGAGGTCAAGTTCAACTGGTACGTGGACGCGTGGAGGTGCATAATGCCAAGACAAA
GCCGCGGGAGGAGCAGTACAACAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCA
CCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGC
CCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAAGCCCCGAGAACCACAGGTGTACA
CCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGGCCTGGTCA
AAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGACCACCTGCCCGGAGAACA
ACTACAAGACCACGCCTCCCGTGCTGGACTCCGACACCTGCCCGGGCGCCGCTCGA

## 27\_16482.edit

TCGAGCGCCCCGGGCAGGTTGAATGGCTCCTCGCTGACCACCCCGGTGCTGGTGGTGGGGTGCAGAGCTCCGATGGGCTGAAACCATTGACATAGAGACTGTCCCTGTCCAGGGTGTAGGGCCCAGCTCAGTGATGCCGTGGGTCAGCTGGCTCAGCTTCCAGTACAGCCGCTCTCTGTCCAGTCCAGGGCTTTTTGGGGTCAGGACGATGGGTGCAGACAGCATCCACTCTGGTGGCTGCCCCCATCCTTCTCAGGCCTGAGCAAGGTCAGTCTGCAACCAGAGTACAGAGAGCTGACACTGGTGTTCTTGAACAAGGGCATAAGCAGACCCTGAAGGACACCTCGGCCGCGACCACGCT

### 28 16482.edit

AGCGTGGTCGCGGCCGAGGTGTCCTTCAGGGTCTGCTTATGCCCTTGTTCAAGAACACCAG TGTCAGCTCTCTGTACTCTGGTTGCAGACTGACCTTGCTCAGGCCTGAGAAGGATGGGGCA GCCACCAGAGTGGATGCTGTCTGCACCCATCGTCCTGACCCCAAAAGCCCTGGACTGGACA GAGAGCGGCTGTACTGGAAGCTGAGCCAGCTGACCCACGGCATCACTGAGCTGGGCCCCT ACACCCTGGACAGGGACAGTCTCTATGTCAATGGTTTCACCCATCGGAGCTCTGTACCCAC CACCAGCACCGGGGTGGTCAGCGAGGAGCCATTCAACCTGCCCGGGCGCCGCTCGA

## 29\_16483.edit

AGCGTGGTCGCGGCCGAGGTCCTGTCAGAGTGGCACTGGTAGAAGTTCCAGGAACCCTGA
ACTGTAAGGGTTCTTCATCAGTGCCAACAGGATGACATGAAATGATGTACTCAGAAGTGTC
CTGGAATGGGGCCCATGAGATGGTTGTCTGAGAGAGAGCTTCTTGTCCTACATTCGGCGGG
TATGGTCTTGGCCTATGCCTTATGGGGGTGGCCGTTGTGGGCGGTTGTGTCCCCCCCTAAAAC
CATGTTCCTCAAAGATCATTTGTTGCCCAACACTGGGTTGCTGACCAGAAGTGCCAGGAAG
CTGAATACCATTTCCAGTGTCATACCCAGGGTGGGTGACGAAAGGGGTCTTTTGAACTGTG
GAAGGAACATCCAAGATCTCTGGTCCATGAAGATTGGGGTGTGGAAGGGTTACCAGTTGG
GGAAGCTCGTCTTTTTTCCTTCCAATCAGGGGCTCGCTCTTCTGATTATTCTTCAGGCC
AATGACATAAATTGTATATTCGGTCCCGGTTCCAGGCCAGTAATAGTAGCCTCTGTGACAC
CAGGGCGGGGCCGAGGGACCCTTCTNTTGGAAGAGCCAGCTTCTCATACTTGATGATGA
GNCCGGTAATCCTGGCACGTGGNGGTTGCATGATNCCACCAAGGAAATNGGNGGGGGNG
GACCTGCCCGGCGGCCGTTCNAAAGCCCAATTCCACACACTTGGNGGCCGTACTATGGATC
CCACTCNGTCCAACTTGGNGGAATATGGCATAACTTTT

### 31 16484.edit

TCGAGCGCCCCGGGCAGGTCCTTGACCTTTTCAGCAAGTGGGAAGGTGTAATCCGTCT CCACAGACAAGGCCAGGACTCGTTTGTACCCGTTGATGATAGAATGGGGTACTGATGCAA CAGTTGGGTAGCCAATCTGCAGACAGACACTGGCAACATTGCGGACACCCTCCAGGAAGC GAGAATGCAGAGTTTCCTCTGTGATATCAAGCACTTCAGGGTTGTAGATGCTGCCATTGTC GAACACCTGCTGGATGACCAGCCCAAAGGAGAAGGGGGAGATGTTGAGCATGTTCAGCAG CGTGGCTTCGCTGGCTCCCACTTTGTCTCCAGTCTTGATCAGACCTCGGCCGCGACCACGCT

# 37\_16487.edit

AGCGTGGTCGCGGCCGAGGTCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTG GTGACCGTGCCCTCCAGCAACTTCGGCACCCAGACCTACACCTGCAACGTAGATCACAAGC CCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAAACTCACACAT GCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCGGCAT CCCCCTTCCAAACCTGCCCGGGCGGCCGCTCG

## 38\_16487.edit

## 39 16488.edit

NGGNNGGTCCGGNCNGNCAGGACCACTCNTCTTCGAAATA

## 41\_16489.edit

AGCGTGGTCGCGGCCGAGGTCCTCACTTGCCTCCTGCAAAGCACCGATAGCTGCGCTCTGG AAGCGCAGATCTGTTTTAAAGTCCTGAGCAATTTCTCGCACCAGACGCTGGAAGGGAAGTT TGCGAATCAGAAGTTCAGTGGACTTCTGATAACGTCTAATTTCACGGAGCGCCACAGTACC AGGACCTGCCCGGGCGCCGCTCGA

## 42\_16489.edit

## 45\_16491.edit

### 46 16491.edit

### 47 16492.edit

### 48\_16492.edit

### 49 16493.edit

TCGAGCGCCCCGGGCAGGTCACTTTTGGTTTTTGGTCATGTTCGGTTGGTCAAAGATA
AAAACTAAGTTTGAGAGATGAATGCAAAGGAAAAAAATATTTTCCAAAGTCCATGTGAAA
TTGTCTCCCATTTTTTTGGCTTTTGAGGGGGGTTCAGTTTGGGTTGCTTGTCTGTTTCCGGGTT
GGGGGGAAAGTTGGTTGGGTGGGAGGGAGCCAGGTTGGGATGGAGGAA
GCAGACAGGCCAACGTCG

### 55\_16496.edit

AGCGTGGTCGCGGCCGAGGTCCTCACCAGAGGTGCCACCTACAACATCATAGTGGAGGCA CTGAAAGACCAGCAGAGGCATAAGGTTCGGGAAGAGGTTGTTACCGTGGGCAACTCTGTC AACGAAGGCTTGAACCAACCTACGGATGACTCGTGCTTTGACCCCTACACAGTTTCCCATT ATGCCGTTGGAGATGAGTGGGAACGAATGTCTGAATCAGGCTTTAAACTGTTGTGCCAGTG CTTAGGCTTTGGAAGTGGTCATTTCAGATGTGATTCATCTAGATGGTGCCATGACAATGGT GTGAACTACAAGATTGGAGAGAAGTGGGACCGTCAGGGAGAAAATGGACCTGCCCGGGC GGCCGCTCGA

### 56\_16496.edit

### 59 16498.edit

TCGAGCGCCCCGGGCAGGTCCACCATAAGTCCTGATACAACCACGGATGAGCTGTCA
GGAGCAAGGTTGATTTCTTTCATTGGTCCGGTCTTCTCCTTGGGGGTCACCCGCACTCGATA
TCCAGTGAGCTGAACATTGGGTGGTGTCCACTGGGCGCTCAGGCTTGTGGGTGTGACCTGA
GTGAACTTCAGGTCAGTTGGTGCAGGAATAGTGGTTACTGCAGTCTGAACCAGAGGCTGA
CTCTCTCCGCTTGGATTCTGAGCATAGACACTAACCACATACTCCACTGTGGGCTGCAAGC
CTTCAATAGTCATTTCTGTTTGATCTGGACCTGCAGTTTTAGTTTTTGTTGGTCCTGGTCCAT
TTTTGGGAGTGGTGGTTACTCTGTAACCAGTAACAGGGGAACTTGAAGGCAGCCACTTGAC
ACTAATGCTGTTGTCCTGAACATCGGTCACTTGCATCTGGGATGGTTTGNCAATTTCTGTTC
GGTAATTAATGGAAATTGGCTTGCTGCTGCTGCGGGGCTGTCTCCACGGCCAGTGACAGCATA
CACAGNGATGGNATNATCAACTCCAAGTTTAAGGCCCTGATGGTAACTTTAAACTTGCTCC
CAGCCAGNGAACTTCCGGACAGGGTATTTCTTCTGGTTTTCCGAAAGNGANCCTGGAATNN
TCTCCTTGGANCAGAAGGANCNTCCAAAACTTGGGCCGGAACCCCTT

### 60 16473.edit

AGCGTGGTCGCGGCCGAGGTCCTGTCAGAGTGGCACTGGTAGAAGTTCCAGGAACCCTGA
ACTGTAAGGGTTCTTCATCAGTGCCAACAGGATGACATGAAATGATGTACTCAGAAGTGTC
CTGGAATGGGGCCCATGAGATGGTTGTCTGAGAGAGAGCTTCTTGTCCTACATTCGGCGG
TATGGTCTTGGCCTATGCCTTATGGGGGTGGCCGTTGTGGGCGGTGTGGTCCGCCTAAAAC
CATGTTCCTCAAAGATCATTTGTTGCCCAACACTGGGTTGCTGACCAGAAGTGCCAGGAAG
CTGAATACCATTTCCAGTGCATACCCAGGGTGGGTGACGAAAGGGGTCTTTTGAACTGTG
GAAGGAACATCCAAGATCTCTGGTCCATGAAGATTGGGGTGTGGAAGGGTTACCAGTTGG
GGAAGCTCGTCTGTCTTTTTCCTTCCAATCAGGGCCTCTTCTGATTATTCTTCAGGGC
AATGACATAAATTGTATATTCGGTTCCCGGTTCCAGGCCAGTAATAGTAGCCTCTTGTGAC
ACCAGGCGGGCCCANGGACCACTTCTCTGGGANGAGACCCAGCTTCTCATACTTGATGAT
GTAACCCGGTAATCCTGCACGTGGCGGCTGNCATGATACCANCAAGGAATTGGGTGNGGN
GGACCTGCCCGGCGGCCCTCNA

### 60\_16498.edit

### 61\_16499.edit

### AGCGTGGTCGCGGCCGAGGTCNAGGA

### 62\_16483.edit

### 63 16500.edit

### 64 16493.edit

### 64\_16500.edit

TCGAGCGCCCCGGGCAGGTCCTCACCAGAGGTGCCACCTACAACATCATAGTGGAGG CACTGAAAGACCAGCAGGGCATAAGGTTCGGGAAGAGGTTGTTACCGTGGGCAACTCTG TCAACGAAGGCTTGAACCAACCTACGGATGACTCGTGCTTTGACCCCTACACAGTTTCCCA TTATGCCGTTGGAGATGAGTGGGAACGAATGTCTGAATCAGGCTTTAAACTGTTGTGCCAG TGCTTAGGCTTTGGAAGTGGTCATTTCAGATGTGATCATCTAGATGGTGCCATGACAATG GTGTGAACTACAAGATTGGAGAGAAAGTGGGACCGTCAGGGAGAAAATGGACCTCGGCCG CGACCACGCT

### 16501.edit

### 16501.2.edit

GAGGACTGGCTCAGCTCCCAGTATAGCCGCTCTCTGTCCAGTCCAGGACCAGTGGGATCAA GGCGGAGGGTGCAGATGGCGTCCACTCCAGTGGCTGCCCCATGTTTCTCAAGTCTGAGCAA AGNCAGTCTGCAGCCAGAGTACAGAGGGCCAACACTGGTGCTCTTGAACAGGGACCTGAG CAGGCCCTGAAGGACCCTCTCCGTGGTGTTGAACTTCCTGGAGCCAGGGTGCTGCATGTTC TCCTCATACCGCAGGTTGTTGATGGTGAAGTTCAGTGTGAATGGCTCCTCGCTGACCACCC

### 16502.1.edit

### 16502.2.edit

AGCGTGGNCGCGGCCGAGGTCTGAGGATGTAAACTCTTCCCAGGGGAAGGCTGAAGTGCT GACCATGGTGCTACTGGGTCCTTCTGAGTCAGATATGTGACTGATGNGAACTGAAGTAGGT ACTGTAGATGGTGAAGTCTGGGTGTCCCTAAATGCTGCATCTCCAGAGCCTTCCATCATTA CCGTTTCTTTTTGCTATGGGATGAGACACTGTTGAGTATTCTCTAAAGTCACCACTGAAA TCTTCCTCCAAAGGAAAACCTGTGGAAAAGCCCCTTATTTCTGCCCCATAATTTGGTTCTCC TAATCNCTCTGAAATCACTATTTCCCTGGAANGTTTGGGAAAANNGGGCNACCTGNCAN TGGAAANTGGATANAAAGATCCCACCATTTTACCCAACNAGCAGAAAGTGGGAANGGTAC CGAAAAGCTCCAAGTAANAAAAAGGAGGGAAGTAAAAGTCAAGTGGGCACCAGTTTCAA ACAAAACTTTCCCCAAACTATANAACCCA

### 16503.2.edit

### 16504.1.edit

TCGAGCGCCCCGGGCAGGTCTGCAGGCTATTGTAAGTGTTCTGAGCACATATGAGAT AACCTGGGCCAAGCTATGATGTTCGATACGTTAGGTGTATTAAATGCACTTTTGACTGCCA TCTCAGTGGATGACAGCCTTCTCACTGACAGCAGAGATCTTCCTCACTGTGCCAGTGGGCA GGAGAAAGAGCATGCTGCGACTGGACCTCGGCCGCGACCACGCT

### 16504.2.edit

AGCGTGGTCGCGGCCGAGGTCCAGTCGCAGCATGCTCTTTCTCCTGCCCACTGGCACAGTGAGAAGATCTCTGCTGTCAGTGAGAAGGCTGTCATCCACTGAGATGGCAGTCAAAAGTGCATTTAATACACCTAACGTATCGAACATCATAGCTTGGCCCAGGTTATCTCATATGTGCTCAGACACTTACAATAGCCTGCAGACCTGCCCGGGCGGCGCCCTCGA

CGAGCGGCCGCCGGGCAGGTCCAGACTCCAATCCAGAGAACCACCAAGCCAGATGTCAG
AAGCTACACCATCACAGGTTTACAACCAGGCACTGACTACAAGATCTACCTGTACACCTTG
AATGACAATGCTCGGAGCTCCCCTGTGGTCATCGACGCCTCCACTGCCATTGATGCACCAT
CCAACCTGCGTTTCCTGGCCACCACACCCAATTCCTTGCTGGTATCATGGCAGCCGCCACG
TGCCAGGATTACCGGCTACATCATCAAGTATGAGAAGCCTGGGTCTCCTCCCAGAGAAGT
GGTCCCTCGGCCCCGCCCTGGTGNCACAGAAGCTACTATTACTGGCCTGGAACCGGGAACC
GAATATACAATTTATGTCATTGCCCTGAAGAATAATCANAAGAGCGAGCCCCTGATTGGA
AGG

### 16505.2.edit

### 16506.1.edit

TCGAGCGCCCCGGGCAGGTTTCGTGACCGTGACCTCGAGGTGACACCACCCTCAAG
AGCCTGAGCCAGCAGATCGAGAACATCCGGAGCCCAGAGGGCAGCCGCAAGAACCCCGC
CCGCACCTGCCGTGACCTCAAGATGTGCCACTCTGACTGGAAGAGTGGAGAGTACTGGAT
TGACCCCAACCAAGGCTGCAACCTGGATGCCATCAAAGTCTTCTGCAACATGGAGACTGGT
GAGACCTGCGTGTACCCCACTCAGCCCAGTGTGGCCCAGAAGAACTGGTACATCAGCAAG
AACCCCAAGGACAAGAAGCATGTCTGGTTCGGCGAAAGCATGACCGATGGATTCCAGTTC
GAGTATGGCGGCCAGGGCTCCGACCCTGCCGATGTGGACCTCGGCCGCGACCACGCTAAG
CCCGAATTCCAGCACACTGGCGCCGTTACTAGTGGGATCCGAGCTTCGGTACCAAGCTTG
GCGTAATCATGGGNCATAGCTGTTTCCTGNGTGAAAATGGTATTCCGCTTCACAATTTCCC
AC

### 16506.2.edit

### 16507.2.edit

### 16508.1.edit

### 16508.2.edit

### 16509.2.edit

TCGAGCGCCCCGGGCAGGTCCTTGCAGCTCTGCAGNGTCTTCTTCACCATCAGGTGCA
GGGAATAGCTCATGGATTCCATCCTCAGGGCTCGAGTAGGTCACCTGTACCTGGAAACTT
GCCCCTGTGGGCTTTCCCAAGCAATTTTGATGGAATCGACATCCACATCAGNGAATGCCAG
TCCTTTAGGGCGATCAATGTTGGTTACTGCAGTCTGAACCAGAGGCTGACTCTCTCCGCTT
GGATTCTGAGCATAGACACTAACCACATACTCCACTGTGGGCTGCAAGCCTTCAATAGTCA
TTTCTGTTTGATCTGGACCTGCAGTTTTAAGTTTTTGGTGGTCCTGNCCCATTTTTGGGAAG
TGGGGGGTTACTCTGTAACCAGTAACAGGGGAACTTGAAGGCAGCCACTTGACACTAATG
CTGTTGTCCTGAACATCGGTCACTTGCATCTGGGGATGGTTTTGACAATTTCTGGTTCGGCA
AATTAATGGAAATTGGCTTGCTGCTGCGGGGGCTGNCTCCACGGGCCAGTGACAGCATA
C

### 16510.1.edit

### 16510.2.edit

### 16511.2.edit

### 16512.1.edit

AGCGTGGTCGCGGCCGAGGTCCAGCATCAGGAGCCCCGCCTTGCCGGCTCTGGTCATCGCC
TTTCTTTTTGTGGCCTGAAACGATGTCATCAATTCGCAGTAGCAGAACTGCCGTCTCCACTG
CTGTCTTATAAGTCTGCAGCTTCACAGCCAATGGCTCCCATATGCCCAGTTCCTTCATGTCC
ACCAAAGTACCCGTCTCACCATTTACACCCCAGGTCTCACAGTTCTCCTGGGTGTGCTTGG
CCCGAAGGGAGGTAAGTANACGGATGGTGCTGGTCCCACAGTTCTGGATCAGGGTACGAG
GAATGACCTCTAGGGCCTGGGCNACAAGCCCTGTATGGACCTGCCCGGGCGGCCCGCTC
GA

### 16512.2.edit

TCGAGCGCCCCGGGCAGGTCCATACAGGGCTGTTGCCCAGGCCCTAGAGGNCATTCC
TTGTACCCTGATCCAGAACTGTGGGACCAGCACCATCCGTCTACTTACCTCCCTTCGGGCC
AAGCACACCCAGGAGAACTGTGAGACCTGGGGTGTAAATGGNGAGACGGGTACTTTGGTG
GACATGAAGGAACTGGGCATATGGGAGCCATTGGCTGNGAAGCTGCANACTTATAAGACA
GCAGTGGAGACGGCAGTTCTGCTACTGCGAATTGATGACATCGTTTCAGGCCACAAAAAG
AAAGGCGATGACCANAGCCGGCAAGGCGGGGCTTCCTGATGCTGGACCTCGGCCGCCGAC
CACGCTT

AGCGTGGTCGCGGCCGAGGTCCACTAGAGGTCTGTGTGCCATTGCCCAGGCAGAGTCTCTGCTTACAAACTCCTAGGAGGGCTTGCTGTGCGGAGGGCCTGCTATGGTGTGCGGGTTCATCATGGAGAGTGGGGCCAAAGGCTGCGAGGTTGTGGTGTCTGGGAAACTCCGAGGACAGAGGCTAAATCCATGAAGTTTGTGGATGGCCTGATGATCCACAGCGGAGACCCTGTTAACTACTACGTTGACACTGCTGCGCCACGTGTTGCTCANACAGGGTGTGCTGGGCATCAAGGTGAAGATCATGCTGCCCTGGGACCCANCTGGCAAAAATGGCCCTTAAAAAACCCCTTGCCNTGACCACGTGAACCATTTGTGNGAACCCCAAGATGAANATACTTGCCCACCACCCCCCATTC

### 16514.2.edit

### 16515.1.edit

### 16515.2.edit

TCGAGCGCCCCGGCCAGGTCTGGGCCAGGGGCACCAACACGTCCTCTCACCAGGA AGCCCACGGGCTCCTGTTTGACCTGGAGTTCCATTTTCACCAGGGGCACCAGGTTCACCCT TCACACCAGGAGCACCGGGCTGTCCCTTCAATCCATCCAGACCATTGTGNCCCCTAATGCC TTTGAAGCCAGGAAGTCCAGGAGTTCCAGGGAAACCACGAGCACCCTGTGGTCCAACAAC TCCTCTCTCACCAGGTCGTCCGGGTTTTCCAGGGTGACCATCTTCACCAGCCTTGCCAGGA GGGCCAGACCTCGGCCGCGACCACGCT

ANCGTGGTCGCGGCCGAGGTCCTCACCAGAGGTGNCACCTACAACATCATAGTGGAGGCACTGAAAGACCANCAGAGGCATAAGGTTCGGGAAGAGG

### 16516.2.edit

### 16517.1.edit

### 

### 16518.1.edit

AGCGTGGTCGCGGCCGAGGTCTGAGGTTACATGCGTGGTGGTGGACGTGAGCCACGAAGA CCCTGAGGTCAAGTTCAACTGGTACGTGGACGCGTGGAGGTGCATAATGCCAAGACAAA GCCGCGGGAGGAGCAGTACAACAGCACGTACCGGGNGGTCAGCGTCCTCACCGTCCTGCA CCAGAATTGGTTGAATGGCAAGGAGTACAAGNGCAAGGTTTCCAACAAAGCCNTCCCAGC CCCCNTCGAAAAAACCATTTCCAAAGCCAAAGGGCAGCCCCGAGAACCACAGGTGTACAC CCTGCCCCCATCCCGGGAGAAAAAACAATTACCAACGNACTTCCCCCNTGGAANTGGGAAAAACCAATGGGCCAANC CGAAAAACAATTACAANAACCCC

### 16518.2.edit

TCGAGCGCCCCGGGCAGGTGTCGGAGTCCAGCACGGGAGGCGTGGTCTTGTAGTTGT TCTCCGGCTGCCCATTGCTCTCCCACTCCACGGCGATGTCGCTGGGATAGAAGCCTTTGAC CAGGCAGGTCAGGCTGACCTGGTTCTTGGTCATCTCCTCCCGGGATGGGGGCAGGGTGAA CACCTGGGGTTCTCGGGGCTTGCCCTTTGGTTTTTGAANATGGTTTTCTCGATGGGGGCTGG AAGGGCTTTGTTGNAAACCTTGCACTTGACTCCTTGCCATTCACCCAGNCCTGGNGCAGGA CGGNGAGGACNCTNACCACACGGAACCGGGCTGGTGGACTGCTCC

AGCGTGGTCGCGGACGANGTCCTGTCAGAGTGGNACTGGTAGAAGTTCCANGAACCCTGA ACTGTAAGGGTTCTTCATCAGTGCCAACAGGATGACATGAAATGATGTACTCAGAAGNGN CCTGGAATGGGGCCCATGANATGGTTGCC

### 16519.2.edit

### 16520.1.edit

### 16520.2.edit

TCGAGCGCCCCGGGCAGGTCCTTGCAGCTCTGCAGTGTCTTCTTCACCATCAGGTGCAGGGAATAGCTCATGGATTCCATCCTCAGGGCTCGAGTAGGTCACCCTGTACCTGGAAACTTGCCCTGTGGGCTTTCCCAAGCAATTTTGATGGAATCGACATCACACATCAGTGAATGCCAGTCCTTTAGGGCGATCAATGTTGGTTACTGCAGNCTGAACCAGAGGCTGACTCTCTCCGCTTGGATTCTGAGCATAGACACTAACCACATACTCCACTGTGGGCTGCAANCCTTCAATAANNCATTTCTGTTTGATCTGGACC

### 16521.2.edit

TCGAGCGCCCCGGCCAGGTCTGGTGGGGTCCTGGCACACGCACATGGGGGNGTTGNT CTNATCCAGCTGCCCAGCCCCCATTGGCGAGTTTGAGAAGGTGTGCAGCAATGACAACAA NACCTTCGACTCTTCCTGCCACTTCTTTGCCACAAAGTGCACCCTGGAGGGCACCAAGAAG GGCCACAAGCTCCACCTGGACTACATCGGGCCTTGCAAATACATCCCCCCTTGCCTGGACT CTGAGCTGACCGAATTCCCCCTTGCGCATGCGGGACTGGCTCAAGAACCGTCCTGGCACCC TTGTATGANAGGGATGAAGACCNACCC

### 16522.2.edit

TCGAGCGCCCCGGGCAGGTTTGGAAGGGGGATGCGGGGAAGAGAGAACTGACGG TCCCCCAGGAGTTCAGGTGCTGGGCACGGTGGGCATGTGTGAGTTTTGTCACAAGATTTG GGCTCAACTCTCTTGTCCACCTTGGTGTTGCTGGGCTTGTGATCTACGTTGCAGGTGTAGGT CTGGGNGCCGAAGTTGCTGGAGGGCACGGTCACCACGCTGAGGGAGTAGAGTCCTGA GGACTGTANGACAGACCTCGGCCGNGACCACGCTAAGCCGAATTCTGCAGATATCCATCA CACTGGCGGCCGCTCCGAGCATGCATTTTAGAGG

### 16523.1.edit

AGCGTGGNCGCGGACGANGACAACAACCCC

### 16523.2.edit

### 16524.1.edit

### 16524.2.edit

TCGAGCGCCCCGGGCAGGTCTGGGCCAGGAGGACCAATAGGACCAGTAGGACCCCTT GGGCCATCTTTCCCTGGGACACCATCAGCACCTGGACCGCCTGGTTCACCCTT TGGACCAGGACTTCCAAGACCTCCTCTTTCTCCAGGCATTCCTTGCAGACCAGGAGTACCA NCAGCACCAGGTGGCCCAGGAGGACCAGCACCCTTTCCTCCTTCGGGACCAGGGGGA CCAGCTCCACCTCTAAGTCCTGGGGCCCCTGCCAATCCAGGAGGGCCTCCTTCACCTTTCTC ACCCGGAGCCCCTCTTTCT

### 16526.1.edit

TCGAGCGCCCCGGGCAGGTCCACCGGGATATTCGGGGGGTCTGGCAGGAATGGGAGGC ATCCAGAACGAGAGGAGCCATGCAAAGCCTGAACGACCGCCTGGCCTCTTACCTGGAC AGAGTGAGGAGCCTGGAGACCGACAACCGGAGGCTGGAGAGCAAAATCCGGGAGCACTT GGAGAAGAAGGGACCCCAGGTCAGAGACTGGAGCCATTACTTCAAGATCATCGAGGACCT GAGGGCTCANATCTTCGCAAATACTGCNGACAATGCCCG

### 16526.2.edit

ATGCGNGGTCGCGGCCGANGACCANCTCTGGCTCATACTTGACTCTAAAGNCNTCACCAG NANTTACGGNCATTGCCAATCTGCAGAACGATGCGGGCATTGTCCGCANTATTTGCGAAG ATCTGAGCCCTCAGGNCCTCGATGATCTTGAAGTAANGGCTCCAGTCTCTGACCTGGGGTC CCTTCTTCTCCAAGTGCTCCCGGATTTTGCTCTCCAGCCTCCGGTTCTCGGTCTCCAAGNCT TCTCACTCTGTCCAGGAAAAGAGGCCAGGCGGNCGATCAGGGCTTTTGCATGGACT

### 16527.1.edit

### 16527.2.edit

TCGAGCGCCCCGGGCAGGTCTGCCAACACCAAGATTGGCCCCCGCCGCATCCACACAGTTNGTGTGCGGGGAGGTAACAAGAAATACCGTGCCCTGAGGNTGGACGNGGGGAATTTCTCCTGGGGCTCAGAGTGTTGTACTCGTAAAACAAGGATCATCGATGTTGTCTACAATGCATCTAATAACGAGCTGGTTCGTACCAAGACCCTGGTGAAGAATTGCATCGTGCTCATNGACAGCACACCGTACCGACAGTGGGTACCGAAGTCCCACTATGCNCCT

TCGAGCGCCCCGGGCAGGTCCACCACACCCAATTCCTTGCTGGTATCATGGCAGCCGC CACGTGCCAGGATTACCGGCTACATCATCAAGTATGAGAAGCCTGGGTCTCCCCAGAGA AGTGGTCCCTCGGCCCCGCCCTGGTGTCACAGAGGCTACTATTACTGGCCTGGAACCGGGA ACCGAATATACAATTTATGTCATTGCCCTGAAG

### 16528.2.edit

AGCGTGNTCNCGGCCGAGGATGGGGAAGCTCGNCTGTCTTTTTCCTTCCAATCAGGGGCTN
NNTCTTCTGATTATTCTTCAGGGCAANGACATAAATTGTATATTCGGNTCCCGGTTCCAGN
CCAGTAATAGTAGCCTCTGTGACACCAGGGCGGGGCCGAGGGACCACTTCTCTGGGAGGA
GACCCAGGCTTCTCATACTTGATGATGAAGCCGGTAATCCTGGCACGTGGGCGGCTGCCAT
GATACCACCAANGAATTGGGTGTGGTGGACCTGCCCGGGCGGCCGCTCGAAAANCCGAA
TTCNTGCAAGAATATCCATCACACTTGGGCGGCCGNTCGAACCATGCATCNTAAAAGGG
CCCCAATTTCCCCCCTATTAGGNGAAGCCNCATTTAACAAATTCCACTTGG

### 16529.1.edit

TCGAGCGCCCCGGGCAGGTCTCGCGGTCGCACTGGTGATGCTGGTCCTGTTGGTCCCCCCGGCCCTCCTGGACCTCCTGGTCCCCCAGCGCTGGTTTCGACTTCAGCTTCCCCCCAGCCACCTCAAGAGAAGGCTCACGATGGTGGCCGCTACTACCGGGCTGATGATGCCAATGTGGTTCGTGACCGTGACCTCGAGGTGGACACCACCCTCAAGAGCCTTGAGCCAGCAGAATCGAAAACATTCGGAACCCAAGAAGGCAAGCCCGCAAAGAAACCCCGCCCGCACCTGGCCGNGAACCTCCAAGAANGTGCCCACNTCTTGACTGGGAAAAAAAAAGGGAAAANTACTTGGAATTGGAC

### 16529.2.edit

### 16530.2.edit

### 16531.1.edit

TCGAGCGCCCCGGGCAGGTGTTTCAGAGGTTCCAAGGTCCACTGTGGAGGTCCCAGG AGTGCTGGTGGGGCACAGAGGTCCGATGGGTGAAACCATTGACATAGAGACTGTTCCT GTCCAGGGTGTAGGGGCCCAGCTCTTTGATGCCATTGGCCAGTTGGCTCAGCTCCCAGTAC AGCCGCTCTCTGTTGAGTCCAGGGCTTTTGGGGTCAAGATGATGCAGCAGATGCA CTCCAGTGGCTGCTCCATCCTTCTCGGACCTGAGAGAGGTCAGTCTGCAGCCAGAGTACAG AGGCCAACACTGGTGTTCTTTGAATA

### 16531.2.edit

AGCGTGGTCGCGGCCGAGGTCTGTACTGGGAGCTAAGCAAACTGACCAATGACATTGAAG AGCTGGGCCCCTACACCCTGGACAGGAACAGTCTCTATGTCAATGGTTTCACCCATCAGAG CTCTGTGNCCACCACCAGCACTCCTGGGACCTCCACAGTGGATTTCAGAACCTCAGGGACT CCATCCTCCCTCTCCAGCCCCACAATTATGGCTGCTGGCCCTCTCCTGGTACCATTCACCCT CAACTTCACCATCACCAACCTGCAGTATGGGGAGGACATGGGTCACCCTGNCTCCAGGAA GTTCAACACCACA

### 16532.1.edit

### 01\_16558.3.edit

AGCGTGGTCGCGGCCGAGGTGAGCCACAGGTGACCGGGGCTGAAGCTGGGGCTGCTGGNCCTGCTGGTCCTG

### 02\_16558.4.edit

### 03\_16535.1.edit

TCGAGCGGTCGCCCGGGCAGGTCCACCGGGATAGCCGGGGGTCTGGCAGGAATGGGAGGC ATCCAGAACGAGAGGAGCCATGCAAAGCCTGAACGACCGCCTGGCCTCTTACCTGGAC AGAGTGAGGAGCCTGGAGACCGANAACCGGAGGCTGGANAGCAAAATCCGGGAGCACTT GGAGAAGAAGGGACCCCAGGTCAAGAGACTGGAGCCATTACTTCAAGATCATCGAGGGA CCTGGAGG

### 04\_16535.2.edit

AGCGNGGTCGCGGCCGAGGTCCAGCTCTGTCTCATACTTGACTCTAAAGTCATCAGCAGCA AGACGGGCATTGTCAATCTGCAGAACGATGCGGGCATTGTCCGCAGTATTTGCGAAGATCT GAGCCCTCAGGTCCTCGATGATCTTGAAGTAATGGCTCCAGTCTCTGACCTGGGGTCCCTT CTTCTCCAAGTGCTCCCGGATTTTGCTCTCCAGCCTCCGGTTCTCGGTCTCCAGGCTCCTCA CTCTGTCCAGGTAAGAAGGCCCAGGCGGTCGTTCAGGCTTTGCATGGTCTCCTTCTCGTTCT GGATGCCTCCCATTCCTGCCAGACCC

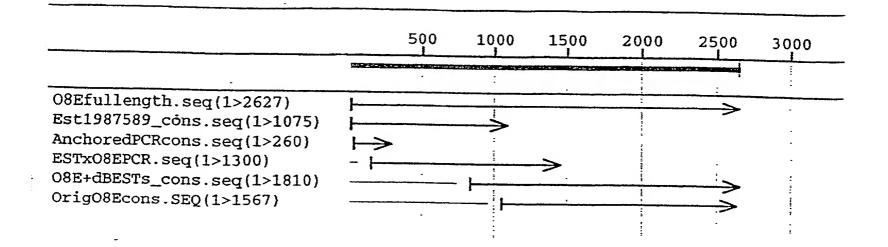
### 05\_16536.1.edit

TCGAGCGCCCCCGGGCAGGTCAGGAAGCACATTGGTCTTAGAGCCACTGCCTCCTGGA TTCCACCTGTGCTGCGGACATCTCCAGGGAGTGCAGAAGGGAAGCAGGTCAAACTGCTCA GATCAGTCAGACTGGCTGTTCTCAGTTCTCACCTGAGCAAGGTCAGTCTGCAGCCAGAGTA CAGAGGGCCAACACTGGTGTTCTTGAACAAGGGCTTGAGCAGACCCTGCAGAACCCTCTTC CGTGGTGTTGAACTTCCTGGAAACCAGGGTGTTGCATGTTTTTCCTCATAATGCAAGGTTG GTGATGG

### 07 16537.1.edit

### 08 16537.2.edit

TCGAGCGGTCGCCCGGGCAGGTTTCGTGACCGTGACCTCGAGGTGGACACCACCCTCAAG
AGCCTGAGCCAGCAGATCGAGAACATCCGGAGCCCAGAGGGCAGCCGCAAGAACCCCGC
CCGCACCTGCCGTGACCTCAAGATGTGCCACTCTGACTGGAAGAGTGGAGAGTACTGGAT
TGACCCCAACCAAGGCTGCAACCTGGATGCCATCAAAGTCTTCTGCAACATGGAGACTGGT
GAGACCTGCGTGTACCCCACTCAGCCCAGTGTGGGCCCAGAAGAAACTGGTACATCAGCA
AGGAACCCCAAGGACAAGAGGCATTGTCTTGGTTCGGCGAGNAGCATGACCCGATGGATT
CCAGTTTCGAGTATTGGCGGCCAGGGCTTCCCGACCCTTGCCGATGTGGACCTCGGCCGCG
ACCACCGCT

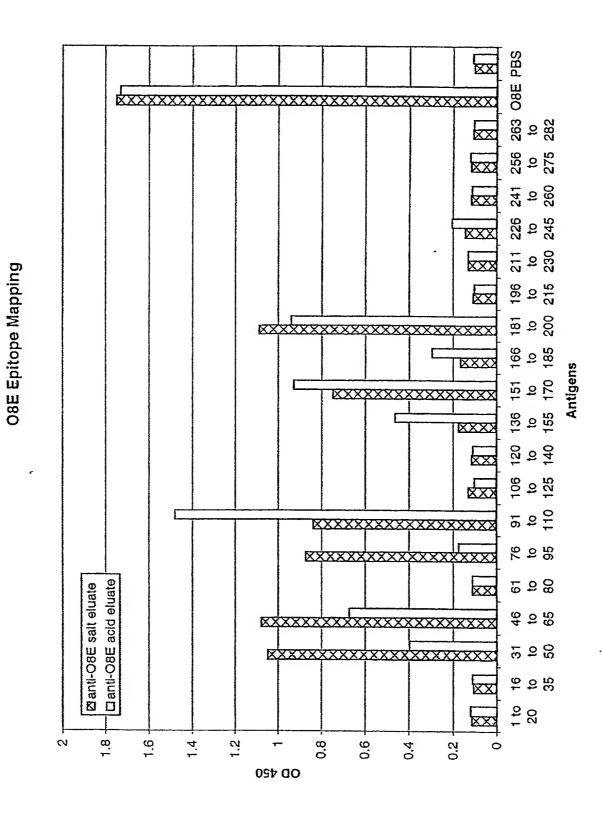


=

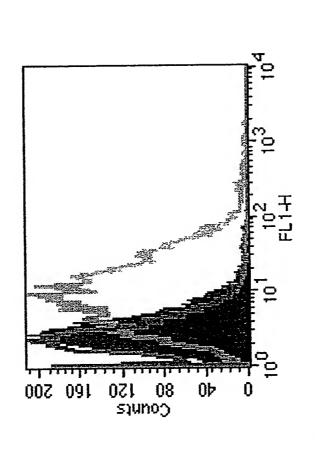
F19.16

40

Fig. 17



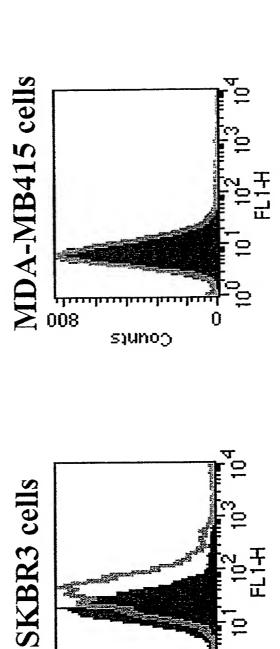
## **O8E** Surface Expression



B305D/HEK stained with anti-O8E antibody
O8E/HEK stained with an irrelevant antibody
O8E/HEK stained with an irrelevant antibody

Fig. 18

# Surface expression of 08E



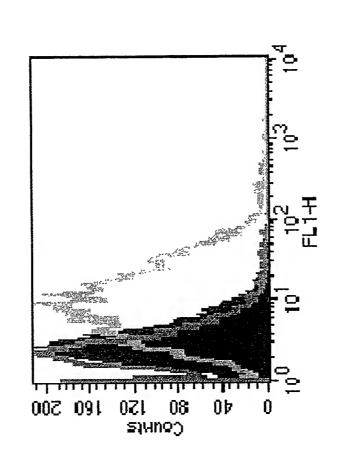
Blue; irrelevant antibody Green; anti-08E antibody

F19.19

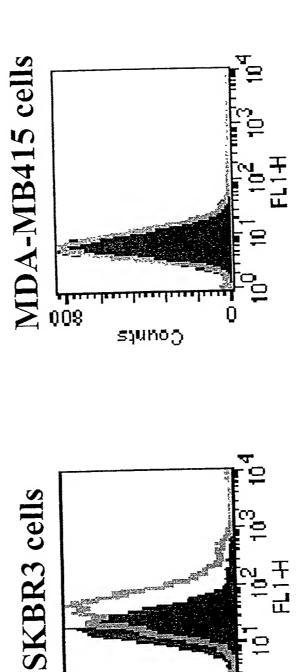
Conuts

100 harterdanterg

# **O8E** Surface Expression



# Surface expression of 08E



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Çonuça

Black: Irrelevant antibody Light Grey: Anti-O8E antibody

Figure 21

### O8E expression in HEK293 Cells

(probed with anti-O8E rabbit polyclonal sera #2333L)

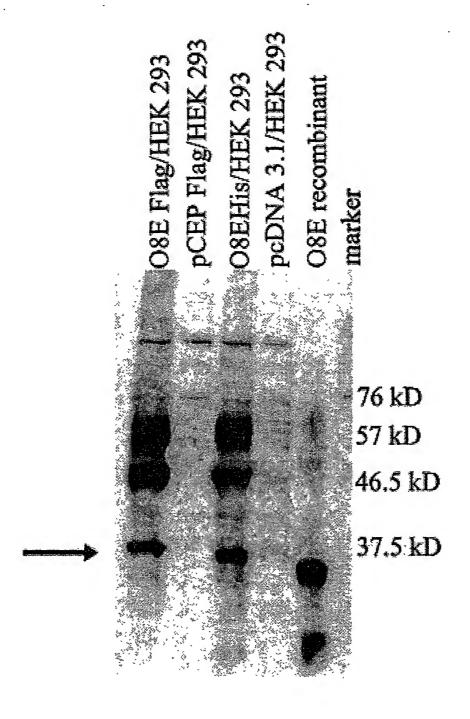


FIGURE 22

## January 1977, 1978

### O8E Rabbits 01212000

### Date:1/21/99

	SlameS cres					\	Antibody Dilutions	utions					
Antigen	ocia oanipie	4.4000	1.2000	1.4000	1:8000	1:16000	1:32000 1	:64000 1:	128000 1	1:64000 1:128000 1:256000 1:512000		1:1024000	1:2048000
on Plate		1,1000	222				1	200	900	70.0	200	70.0	0.07
280	Draimming sora (#2576) \11/10/99	0.13	0.0	0.08	0.07	0.0	0.0	20.0	0.0	3	5	5	5
3800		0.10	0.08	0.07	20.0	0.07	0.07	0.07	90.0	0.08	0.07	90.0	0.07
(#632-24)		2	800	0.07	0.07	20:0	0:07	0.07	90.0	0,07	20'0	0.06	0,07
	Avelage	3			91.0	02.0	90,0	197	5	890	0.40	0.24	0.15
	α-O8E (#2576K): 1/11/2000	2.92	2.81	2.74	2.79	7.38	V.00	<u>.</u>	5	5	;		
	(1)	2.93	2.77	2.74	2.69	2.48	2.08	1.57	1.00	99.0	0.40	0.23	0.16
	A	20.0	279	2.74	2.69	2.53	2.08	1:59	1,00	0.67	0.40	0.23	0.16
	WYEI GUE	2					100	200	200	20.0	70.0	0.07	0.07
	Proimmine sera (#23331):11/10/99	60.0	0.07	90.0	90.0	0.07	0.0	) ) )	0.0	9.0	3	6.0	5
		0.08	0.07	90.0	0.07	0.10	0.07	0.07	0.07	0.07	0.02	0.07	0.07
	N. Chinasa	900	0.07	90.0	90.0	0.08	0.07	70.0	70,0	20.0	0.07	0.02	0.07
	Avelage	07.0	9.7E	2 84	2.48	2.30	1.78	1.41	0.92	. 0.58	0.32	0.20	0.14
	α-O8E (#2333C): 1/1 1/2000	6.73	2.3	j	ì	i			0	0	0	000	0 14
		2.73	2.76	2.51	2.60	2.37	1.93	1.44	0.88	0.30	0.00	0.20	5
	Avarago	2.73	2.76	2,57	2,54	2.33	1,85	1.43	0.90	0.58	0.33	0,20	0,14
	PAG IBAC	. 1											

### affi-pure O8E #2576L 739.87A&B

	Date: 5/2/2000
Antibody Name	O8E polyclonal
Rabbit #, Bleed Date	2576L, 1/11/2000
Purification Method	affinity
Buffer	PBS
Notebook	#70 <b>5</b> , p150
lot #	739.87A 739.87B
Antibody Concentration	1.4mg/ml 1.7mg/ml
Initial Amount	18mg   3mg

		-											
Antigen	Sera Sample						Ant	Antibody Dilution	lutions				
27012		1:1000	1:2000	1:4000	1:4000 1:8000	1:16000	1:32000 1:64000	1:64000	1:128000	1:256000	1:256000 1:512000	1:1024000	1:2048000
On Flate	(19790) 0000 00000000000000000000000000000	0 15	1	000	0.08		0.07	0.07	0.07	0.07	0.08	0.07	80.0
Cost	אופווווווווווו פפום (בטיטב)	0.14	0.10	0.09	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
47-7C0#	Åverade	0.14	0.10	600	90'0	20'0	20.0	20:0	2010	0.07	90'0	<i>2</i> 0'0'	0.08
	~ Ooc /9678  \: 9/8/9000	2.74	271	2.63	2.49	2.29	1.87	1,39	0.92	0.57	0.33	0.20	0.14
	a-OoE (23/ 01/). 2/0/2009	272	2.68	2.64	2.47	2.26	1.93	1.42	0.94	0.57	0.34	0.21	0.14
	Average	2.73	2.70	2,63	2.48	2.27	1,90	1,41	0.93	0.57	0.34	0.23	0.14
	Mon Book Street	2 80	280	250	224	1.83	1.34	0.99	0.84	0.38	0.22	0.15	0.11
	allinity puleac-Cot. pory	3 6	2.48	2.38	2 21	1.82	1.33	1.00	0.62	0.37	0.22	0.14	0.11
	Aviataria	264	2.54	2.44	221	1.83	1.34	1.00	0,63	0,37	0,22	0.15	0.11
	Mor ARON Switcher	2 46	2 39	240	2.34	2.08	1.73	1.29	0.81	0.49	0.29	0,19	0.13
	anning parece Col. poly	2,65	2.68	2.61	2.45	2.14	1.76	1.30	0.82	0.48	0.29	0.19	0.13
	Average	256	2.53	2.51	2.39	2.11	1.74	1.30	0.81	0.49	0.29	0.19	. 0.13
	ARMAN												

### Anti-O8E mAb Binding to O8E Amino Acids 61-80 Induces Ligand Internalization

